

AND A MANUFACTURING AND TEXTILE PAPER, DEVOTED TO THE UPBUILDING OF SOUTHERN MANUFACTURES AND THE DEVELOPMENT OF THE MATERIAL RESOURCES OF THE SOUTH.

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BALTIMORE, MAY 3, 1884.

Vol. V. No. 12

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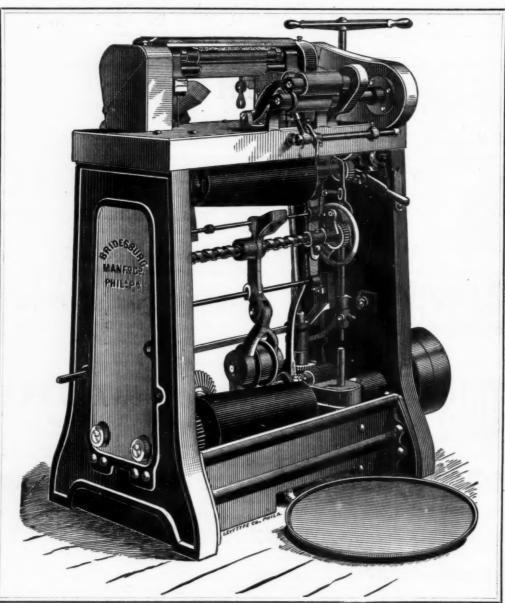
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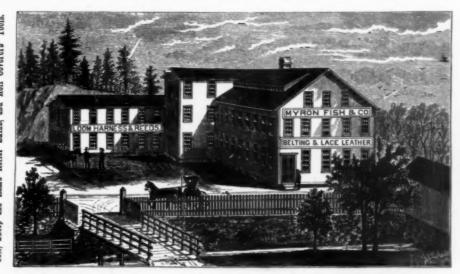
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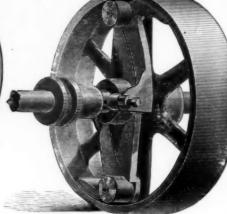
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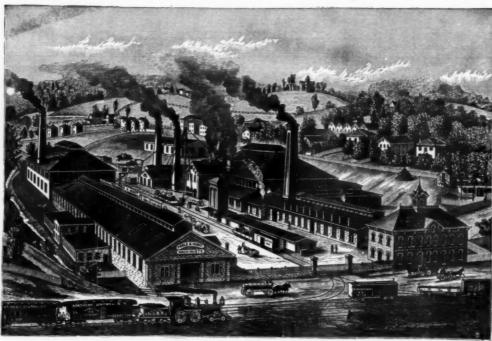


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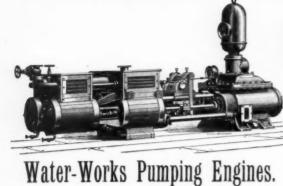
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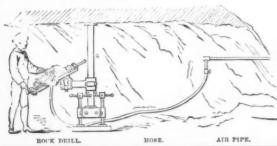
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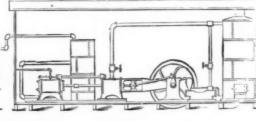
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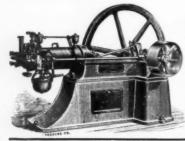
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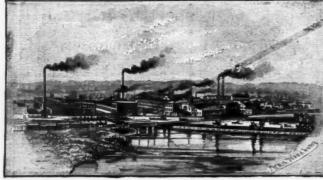
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BALTIMORE, MAY 3, 1884.

CORRESPONDENCE relating to the manufacturing, mining, lumbering and all other material interests of the Southern States is solicited. We invite those interested in the development of the South to make free use of our columns. Reaching so many capitalists in all parts of the United States seeking profitable investment in the South, the MANUFACTURERS' RECORD offers an excellent chance for the people in that section to place the advantages of each locality before those likely to be interested. We will take great pleasure at all times in telling what has already been accomplished in the South, and showing up the opportunities of doing still more,so if you desire to attract immigration or capital, or if you know of an opening for profitable investment in manufacturing, mining or kindred pursuits, write us an account of it. It will be published free of cost.

MESSRS. J. H. SMITH & Sov, pro prietors of foundry and machine works, Athens, Tenn., in closing a letter to us, say: "The majority of citizens here are in favor of a protective tariff and the upbuilding of Southern industries." In this the people of Athens show their wisdom; for, if they are really in favor of building up Southern industries, they must be in favor of a protective tariff; and if they favor a protective tariff they must naturally favor the building up of Southern industries.

Our readers will confer a favor upon our advertisers and upon us, as well as benefit themselves, if, whenever they write to anyone advertising in this paper, if it is only for a catalogue, they mention that "your advertisement was seen in the BALTIMORE MANUFACTURERS' RECORD." A careful com pliance with this request will be much appreciated.

Activity in Cotton Mill Building at the South.

There is no let-up in the organization and building of new cotton mills and the enlargement of old mills at the South. Within the last few weeks quite a number of important enterprises of this kind have taken shape. The Durham Cotton Mill Co., of Durham, N. C., have placed an order for their entire machinery, including 8,500 spindles; the Columbia Cotton Mill Co., of Columbia, Tenn., have commenced work on a \$175,000 mill; negotiations are now pending for the machinery of a \$50,000 mill in Trenton, Tenn., and for one of 3,000 spindles at Yadkin's Falls, N. C. The Nashville, Tenn., Cotton Mills have decided to more than double their capacity, and have given orders for about 4,000 spindles and other machinery; while the Charleston, S. C., Manufacturing Co. are increasing their spindles from 15,000 to 21,000. The Mountain Island Mills, of North Carolina, lately purchased by Messrs. Wm. J. Hooper & Son, of this city, will be enlarged and about 4,000 spindles added, making 8,000 in this mill by the fall. M. Morgan, Laurel Hill, N. C., is enlarging his factory and putting in weaving machinery. Gwyn, Harper & Co., Patterson, N. C., have made large additions to their machinery; the Athens, Ga., Manufacturing Co. have lately received considerable new cotton machinery; while a number of other Southern mills are increasing their capacity.

At Rockingham, N. C., the new Roberdel Mill is just getting 3,000 spindles and 100 looms into position. A \$100,000 cotton and woolen mill has been organized at Talladega, Ala., and one with a capital of \$125,-000 at Knoxville, Tenn.; at Fayetteville, N. C., a hosiery factory will soon be started; and at Columbus, Ga., two mills are proposed,-the Eagle and Phœnix Co. having voted to build a \$700,000 mill, and a number of other capitalists having decided to erect another mill in that town. Pulaski, Tenn., a company with a capital of \$100,000 has been organized to purchase and greatly enlarge the cotton mill now in operation there. Roanoke, Va., has raised within a few thousand dollars (and this will soon be forthcoming) of the required amount needed for a \$300,ooo cotton factory, and Lynchburg, in the same State, has about made sure of a \$400,000 mill. Selma. Ala., has received a proposition from Northern capitalists to put \$200,000 into a mill in that city, provided the same amount is secured in Selma: and offers of this kind are now before quite a number of other Southern cities. There are also a large number of important woolen manufacturing enterprises that have just been organized.

This summary is merely of what has been done in less than two months, and from it some idea can be old mills and the building of new ones. If we were to include all the cotton mill enterprises inaugurated at the South since January 1st, they would represent more than double the capital required for the building of the mills given in this list.

Why a Railroad is Not Built.

As we have previously remarked, a railroad, even with high freight charges, is vastly superior to no railroad at all, and in saying this we but voiced the sentiment of nearly all wise men. Down in South Carolina, however, some of the people don't think that way, or, at least, they didn't a few years ago; and, moreover, the lawmakers of that State had an idea that railroad owners had no rights which they were bound to respect. With these ideas in their heads they passed some most unjust and arbitrary laws, that placed the control of the railroads absolutely in the hands of a commission, from whose decisions there could be no appeal. Naturally, capitalists were not quite so foolish as to continue to invest their money in building new roads in that State, and so a number of promising projects were abandoned. The Seaboard & Roanoke Railroad, of which Col. John M. Robinson, of this city, is the able president, and in which other Baltimore capitalists are interested, had planned an extension of their system that would have required the building of a new road entirely across South Carolina, passing through Newberry and other points to Augusta, as well as to one or two other points in Georgia. To build and equip this road meant the spending of probably from four to six million dollars. The money had all been secured and preparations had about been completed for actual work, when this railroad commission law was passed. That at once put a stop to everything.

At the last session of the South Carolina Legislature, however, the managers of the Seaboard & Roanoke Road, seeing the dissatisfaction of the people with the practical effects of their railroad laws, applied for a charter for this new road, exempting it from any control of the railroad commission. Col. Robinson appeared before the members of the Legislature and explained the position of his company;-they asked for no help of any kind from the State or from any of the counties; they had the money to build the road and only wished the privilege of managing their own property after it had been built. The charter passed one branch of the Legislature by a very favorable vote, but was defeated in the other, probably because the members did not appreciate the fact that they were dealing with men who meant what they said when they emphatically refused to build this road if it was to be subjected to the control of the commission. After the bill had been gained of the activity in enlarging defeated and when Col. Robinson was about to leave Columbia, a number of the members went to him and begged him to reconsider the matter, but without inducing him to change.

Now, here is a road which, if built, would be of vast benefit to South Carolina; it would open up a new country and furnish much-needed transportation facilities to a large territory; but until the law-makers of that State learn to leave the management of railroads to their owners, the people along this proposed line, as well as along many others, must do without any railroad advantages. Railroads are essential to the development of the South, and without more of them there would soon come a halt in the progress of that section. Will our Southern people be so foolish as to continue their unwise railroad legislation, and thus effectually keep out foreign capital?

A New Southern Route Proposed.

A partial survey has been made of a route for the proposed James River & North Carolina Railroad, the idea of the projectors being to furnish, through the Valley Railroad, now reaching to Lexington, a good route to Atlanta. Their plans are, so we are informed, for a route "from Lexington to Big Island, over the Richmond & Alleghany, through Liberty, Bedford, Franklin and Henry counties, in Virginia, to Walnut Cove, in North Carolina, and thence, with the North Carolina Midland, to Mooresville or Statesville, thence to Lincolnton, over the Carolina Central to Shelby, where it will meet a road to be built jointly by the Georgia Central and Carolina Central, between Shelby and Spartansburg. This line will certainly be built, as an agreement was recently made between these two corporations. At Spartansburg we secure the Atlanta connection through the Georgia Central system."

Such a route as this would undoubtedly open up a magnificent country. We think that there can be no doubt of the future extension of the Valley Road Southward, but what is the most desirable route can hardly be said until the surveys now in progress are complete. This James River and North Carolina route would seem to present a very desirable opportunity for reaching the South at a moderate cost.

THE Iron Age says: "We are of opinion that the price of pig iron will be much lower in this country in the years to come than it is now, and we believe that the South is destined to become more of an element in supplying the iron wants of the country than she is to-day; but when the cheap pig iron dawns upon us the North will continue in the business at the old stand, though Northern workmen will not then be so well paid as they are now."

Good Openings for Capital.

In our "Business Chances" Department will be found several advertisements that deserve the attention of capitalists contemplating investments in the South. One of the best cotton mills in the South, peculiarly well located, is for sale. It has magnificent water power that can easily be increased from its present force of 6,000 horse-power to 20,000 horsepower. A fine tract of over 200 acres of land, with the very best granite in abundance, and a good village of tenement.houses. The mill is now running over 8,000 spindles. It is widely known as one of the best located and best paying mills in the South. In every respect it is a most desirable piece of property. It is owned by one gentleman alone, who desires to retire from business on account of age. There are also three other cotton mills and a woolen mill advertised for sale on very advantageous terms. requiring comparatively little capital. Any of our readers desiring to invest in Southern property of any kind, such as cotton, woolen or flour mills, timber lands, iron ore or coal mines, &c., can hear of some excellent bargains by addressing the publishers of this paper.

A COUPLE of months ago a party of Pennsylvania mechanics, having a fair amount of capital, asked us for advice in regard to starting a foundry and machine shop in the South. We published a few lines asking for information in regard to the best openings for such an enterprise, and in response received a large number of letters from various points in the South. These letters, including a very excellent one from Jackson, Tenn., were duly forwarded, and last Monday we received the following:

JACKBON, TENN., April 25, 1884.

MESSRS. BIGSBY & EDMONDS,

Publishers Baltimore Manufacturers' Record : DEAR SIRS:-Having located at this place it becomes my pleasant duty to thank vou for your generous assistance in this direction. We have a good firm, under style of N. S. Sherman & Co. We have a wide and favorable field for foundry and machine business here, with every encouragement and inducement held out to us from the merchants and other prominent business men here. We propose, with our perfected machinery and a skilled artisan at the head of each department, to handle our business promptly, at a nominal cost, and in an unsurpassed finish. Accept our heartiest returns for your influence, and, feeling very much obliged, we are,

Yours truly, N. S. SHERMAN & Co.

WE would call the attention of our readers to the advertisement of a coal mine in Tennessee for sale. This property consists of 8,000 acres of timber land and 4,000 acres of coal land, with the mines equipped for work, and with all necessary buildings, railroad track, &c. Southern timber and coal lands are advancing in value so rapidly that an opportunity of securing a desirable piece of property of this kind should not be overlooked by moneyed men.

A Prosperous Town in a Prosperous State.

SOUTHERN DEPARTMENT
BALTIMORE MANUFACTURERS' RECORD,
GREENVILLE, S. C., April 26, 1884.

I wish to tell you about Greenville South Carolina. It is the chief city of the northern section of the State, and the third city in the State in population and wealth,-only being surpassed by Charleston, and Columbia, the capital. has 9,000 people, an increase of 3,000 since the census of 1880 was taken, or a growth of 1,000 a year for the three years: a fine rate of expansion. The county is the second manufacturing county in the State. ranking next to Charleston. It has 26 thriving towns. It is the second largest agricultural county in the State, leading in the use of improved implements. In the town there are to-day 15 new residences and 6 business houses going up. The place has three colleges,-a female, a Baptist and a military college,-and is an educational centre.

I do not know a more attractive cosmopolitan little Southern city than Greenville. It has honorable antecedents, culture, wealth and progress. It is the centre of a rich farm region, and is a manufacturing point. It combines to a singular degree the advantages of both factories and agriculture.

The county has 188 manufacturing establishments, among which are 8 cotton mills, 98 grist mills, 2 foundries, 64 lumber mills, and 16 miscellaneous factories, embracing furniture, cotton-seed oil and other establishments. Its manufacturing capital is as

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The cotton mills are eight, with \$929,900 capital, 48,000 spindles, 773 looms, 1,215 hands, using 20,286 bales cotton, or 10,143,000 pounds cotton, making 8,417,000 pounds yarn and 12,500,000 yards of cloth.

Greenville has the only plaid mill in the State and the only furnithre factory. The Greenville mills are the Camperdown and the Huguenot. There are also the Piedmont, 10 miles from Greenville on Saludariver; Batesville Mill, on Rocky Creek, 10 miles east of Greenville; Pelham Mill, on Enoree river, 11 miles from Greenville; Reedy River Factory, 6 miles southeast of Greenville; and Fork Shoals Factory, 12 miles from Greenville. These mills make, some of them, yarns, sheetings, shirtings, drills, &c.

There are the Greenville Furniture Factory, J. H. Taylor; coach factory, H. C. Markley; paper mill, Dr. W. R. Jones; and two wool carding machines. There are five tanneries and five brickyards. The tanneries make \$38,000 worth of products. The brickyards make 2,500,000 of brick. The industries net 20% profit.

The county is a rich farm county. It has 2,731 farms, of 470,048 acres, with 121,-487 acres in cultivation. The farming is progressive. The planters here use 6 sowers, 58 reapers and mowers, 63 sulky plows, 147 harrows, 38 threshers, 2,035 guano distributers, 756 cotton planters, 38 riding cultivators, 91 horse rakes, 91 farm engines of 546-horse power, and 203 cotton gins.

There is prohibition in the county, except in Greenville, and therefore law and order, decreased crime, improved labor, enhanced prosperity and greater production.

The fence law is in operation. Farming costs less, there are better crops, improved

stock and better markets. The saving of fence labor and timber is a good profit. Men keep fewer and better stock. More milk and butter is obtained. Beef brings better prices. Milk cows have improved 25% and beef cattle 50%.

Among the valuable and profitable new industries are grape and wine raising and fish ponds. There are 175 acres of vineyards near here, of which 75 are in bearing. The yield last year was 40,000 pounds,—6,000 gallons of wine. The grapes sell for 15 cts. a pound and wine \$2 a gallon. There are 20 fish ponds for carp. There are five Jersey farms here. The country is beautiful, well watered, healthful and rich. There are schools and churches, temperance and religion.

I do not know of a better country for immigrants.

I. W. Avery.

Trenton's Cotton Mill.

TRENTON, TENN., April 21, 1884. Editor Baltimore Manufacturers' Record:

Our cotton mill is fully on foot. The capital stock, \$50,000, has all been sub scribed, a charter obtained and registered under the name of the Trenton Cotton Mills. The company was organized on the 19th by electing the following officers and directory: J. M. Senter, president; R. Z. Taylor, vice-president: Geo. Everett, sec retary; and the following directors, in addition to the officers named above: Dr. T. J. Happel, J. W. Elder, D. E. Jetton, N. L. McRee, M. C. Holmes and E. Richardson The directory is composed of some of the hest business men in the community .men who have made a success of every undertaking. All necessary committees have been appointed, and work will be begun at once. The building site will be fixed upon at the next meeting of the directory, on the 26th.

The machinery committee, consisting of J. M. Senter, R. Z. Taylor and Dr. T. J. Happel, are already corresponding. The mill will begin with the best improved American machinery. As soon as contracts for machinery are made, and plans and specifications for the building gotten, the building committee will begin.

T. J. HAPPEL.

A County of Great Resources.

Talladega, Ala., April 19, 1884. Editors Baltimore Manufacturers' Record:

If you will grant the use of a portion of your valuable paper I will tell your readers of the great resources of Talladega county, Ala.

We have white, gray, lavender, pink, black and variegated marbles of all qualities, and in the greatest abundance.

Brown hematite ore so free from silicious matter and phosphorus that iron of unexcelled purity can be made. This ore we have in the greatest abundance, and iron made therefrom commands a ready sale at high prices. Gold is found, and mining will pay handsomely when the mine can command the right kind of machinery to separate the ores.

We have limestone, sandstone, cement rock, fire clay and fine sand, tripoli, &c., in abundance, yellow pine and other varieties of timber.

Our valleys are famed for their great fertility, and the climate here is so equable that epidemics never prevail. Water in flowing streams and bold springs is everywhere. Two railways run through the county lengthwise and are about ten miles apart. A great trunk line crosses the northern end of the county. Another is being constructed across the centre, and yet another will soon be built across the southern portion of the county.

We have all the elements required for a prosperous society, but lack energetic capital to develop the marble and iron interests of the county. Parties wishing information more in detail can obtain a copy of the Alabama Industrial, an excellent local paper, devoted to the industries of this county and the adjacent section of country.

Another Correspondent Sings Talladega's Praise.

Talladega, Ala., April 22, 1884. Editor Baltimore Manufacturers' Record:

As you kindly solicit information in regard to the advantages for investment and manufactories, more especially in the South, I volunteer some points of interest, and predict that in the near future it will be a marvel that so little has been known of this highly-favored section. Here a kind Providence has been lavish in showering His benefactions by giving one of the most genial climates on the continent, with abundance of water, good society, schools and churches in abundance, and proverbial for its healthfulnes, and, what is a great blessing, exemption from mosquitoes. In connection with all these social, educational and healthful advantages, we have more agricultural and mineral wealth than can be found in the same area of territory outside of its boundaries. Iron predominates, and its vast ore deposits are being worked, producing the best and highestpriced iron from any other source. from an adjoining county will soon be supplied, in quantity, quality and price to supply all requirements for manufacturing

Marble of all grades and colors are found in inexhaustible quantities on and near transportation, with ample power for its development. Kaoline in quantity and quality which ought to bring manufacturers. No better place anywhere for cotton factories to be run by steam or water power, with cheap labor and fuel; the wonder is that it has not already been the seat of many manufactories of cotton and wood. We have copper, gold, clays, lime-stone, tripoli, hydraulic lime-stone, in fact almost everything is here to attract the attention of parties seeking pleasant homes, and at the same time having everything to give employment to capital and enterprise. I might also say that along the whole line of our railroads there is an abundance of pine timber which is rapidly enhancing in value, and in a few years cannot be had except at fabulous prices.

Now is the time to secure some of our valuable deposits of iron ores. Large syndicates and companies gather them up, and soon a monopoly will be beld by a few companies, while it is for the interest of the country that it should be distributed among many manufacturers, and thus draw a larger community of labor to be fed by our farmers, gardeners, &c., &c. Without trespassing too much upon your columns at one time, will for the present ask you to publish the enclosed estimate for iron manufacture here as compared with Pittsburgh. As I am a native of the soil and largely identified with its interests, I shall be very happy to give any general or special information in regard to the advantages as well as the resources of this and adjoining counties.

> Yours very respectfully, George W. Chambers, P. O. box 1,224.

The estimate as to the cost of pig iron making at Talladega, to which Mr. Chambers refers, is summed up as follows:

The offices of the Rand Drill Co., Manhattan Mining Co., Rendrock Powder Co., J. R. Rand & Co., A. C. Rand, N. W. Horton, have been removed from 240 Broadway, New York, to 23 Park Place.

Protection and the South

[Macon (Ga) Telegraph and Messenger]

Some of the Telegraph's irreconcilable contemporaries-and it is a matter of regret that there are such-cannot resist the temptation to abuse this journal for its tariff principles. Abuse calls for no answer; we care not to reply to such; but whenever argument has been brought to bear against us, we have not failed to support our position with statistics, facts, and the logic of facts.

The Telegraph's position is easily explained. It is this: The best policy for the United States is to protect every industry against outside competition, and the result will always be to (1) build up industries at home, (2) give employment at good wages to labor, (3) create a market for agricultural products, (4) cheapen manufactures by home competition, (5) and make the country self-sustaining.

This policy has enriched the North and East: it will enrich the South and West. When this journal, nearly three years since, began to advocate the policy described, there was not a daily paper in Georgia, and as far known but one weekly, that agreed with it. To day the six most influential out of the twelve dailies in the State and twenty weeklies stand with it for the same principles. The growth of the protection principle in the neighboring Southern States has been equally as rapid. The R'chmond Dispatch, Nashville American, Nashville Banner, Memphis Avalanche, Chattanooga Times, New Orleans Picayune, New Orleans Times-Democrat, Louisville Post, Mobile Register, Selma Times, an I the Daily Age, of Birmingham, Ala., are in the ranks of the protection army, in company with many fine weeklies throughout the States named.

The main difficulty with which the Southern protectionists have had to contend has been the prejudice against protection growing out of the fact that for twenty years it has been embodied in the Republican platforms. The fact has been used as an argument against the Telegraph time and again. It seems to have escaped the recollection of many of the older editors in the South and the observation of the younger, that prior to the war the South was about equally divided as between Whigs and Democrats, and that the former advocated protection in almost the identical terms of what is now known as the Ohio platform.

As the manufacturing and industrial interests of the South increase, and the increase is now constant and marvellous, the protection principle will strengthen. The day will come in no distant year when the South will be its warmest advocate. The prophecy of Mr. Kelley that the South and New England will some day stand together upon this platform is bound to be realized. The longer prophecy of Edward Everett that they will change places on the tariff question may be fulfilled; events begin to foreshadow such a result

These facts confront us with a determination irresistible. Neither the Telegraph nor all the papers of Georgia united could stay the growth of the protection principle, but they may speed it to the advancement of the State's material interests. In this work the Telegraph is engaged and will continue. Let the press unite upon the same line.

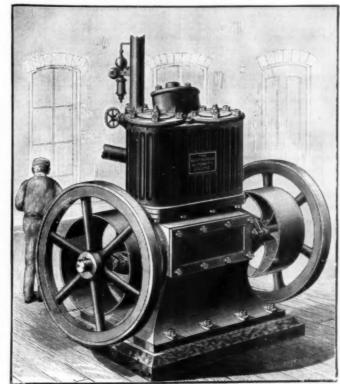
Nor the least important of the objects of interest in Cincinnati is the Palace Hotel, which is an imposing structure eight stories high, fronting on three streets. All the floors are reached by elevators; the office and dining-room are lighted by electricity, and it is provided with all the modern aids to comfort and convenience. The rooms are newly papered and it is elegantly furnished throughout.

The Westinghouse Engine.

Although a comparatively new machine, the Westinghouse Engine has met with decided favor, and its growing popularity attests its great value.

In designing the Westinghouse engine,

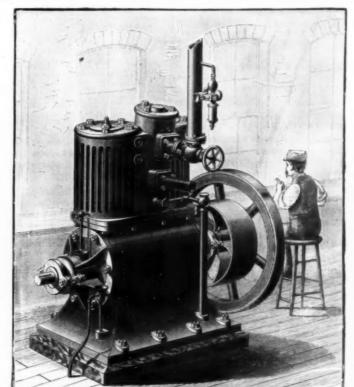
maintaining the engine in all essential respects new, even after long use. Fourth. To secure high speed, which modern practice and experience has shown to be desirable in a degree for all purposes of power, and absolutely essential in many cases, Fifth. To retain with the above advantages



THE WESTINGHOUSE ENGINE-FRONT VIEW.

the special objective points are stated to a proper grade of fuel economy. have been: First. To render the engine, by its extreme simplicity, and the peculiarities of its design as to adjustments, keying up, packing, oiling, etc., independent of the careless attendance of an unskilled engineer. Second. To reduce the

In their catalogue, the manufacturers say: "The usual and daily duties of the engineer in charge of the common horizontal or vertical double-acting engine are to start and stop; to fill the cylinder lubricator; to keep the oil-cups full, and oil all requirement of repairs to a minimum by the running bearings frequently; to keep



THE WESTINGHOUSE ENGINE-REAR VIEW WITH ONE FLY-WHEEL REMOVED.

making the good performance of the | the pedestal and various 'brasses' delicately independent of wear. Third. To make the repairs, when required, at the lowest possible expense of time and money by renewing (not patching up) removable and inexpensive wearing parts only, by duplication from the works to gauge, thus

keyed up between the alternatives of heating and pounding; to pack sundry joints and stuffing boxes; frequent adjustment of the valve motion to secure an equal valve travel: occasional lining up all over; making minor repairs; wiping; and the indis-

criminate use of the monkey-wrench on general principles. As against these, this engine has no oil-cups; the running bear-ings lubricate themselves continuously; there are no 'brasses' about the engine that can be keyed up, or a necessity for it if there were; there is not a packed joint or a stuffing box on the engine; the valve adjustments are made final and permanent before the engine leaves the shop; the engine is self-contained and independent of alignment; short of absolute breakage there are no minor repairs; the parts being enclosed and the main bearings being protected from drip; there is little or nothing to wipe; and since every nut is set up solid and kept so, there is no room for carelessness with the wrench. It is a practical feature of the design that the wearing parts are removable and not adjustable and hence it approximates the literal truth that the duties of an engineer are confined to the first two counts. The value of this fact, in locations where skilled help in unavailable, is apparent."

This engine is adapted to a wide range of uses, and its decided merits commend it to the attention of manufacturers. Full particulars can be obtained from the Westinghouse Machine Co. of Pittsburg, Penn.

List of Patents.

The following patents were granted to citizens of the Southern States, bearing date April 22, 1884. Reported expressly for this paper by Louis Bagger & Co., mechanical experts and solicitors of patents, Washington, D. C.

297,485, Aycock, J. A., Whitesburg, Ga. Lumber-

297,341. Barkany, Louis, Baltimore, Md. Clothes-

hanger. 297,104. Bikle, C. A., Hagerstown, Md. Clover thrasher and huller.

297,225, Brook, J. W., Amherst county, Va. Ventilation of barrels and boxes. 297,227. Brown, O. H. P., Clarksville, Ark. Level-

ing and plumbing instrument. 297,239. Dougherty, J. H., Whistler, Ala. Lock

for sliding doors. 297,510. Drouet, Peter E., New Orleans, La. Grain header and harvester. 297,359. Ehert, John, Frederick, Md. Mail-bag.

297,367, Farrell, Cicero C., Shubuta, Miss. Device r attaching and detaching hors

297,512. Firey, S. M., Clear Spring, Md. Double-297,249. Foster & Collie, Viola, Ark. Water ele-

vator and carrier.
217,374. Fretwell, J. T., Atlants, Ga. Boofing compound.
297,254. Griffin, Shoup & Cade, Harrisburg, Tex.

Rotary engine

297,255. Halbert, Jno. B., Maitland, Fla. Lifting

297,411. Kelly, W. H., Lexington, Va. Fanning 207 271 Ladd & Whitaker, Baltimore, Md. Show-

297,271. Ladd & Whitaker, Baitimore, Md. Brow-case.
297,423. Lester, J. S., Atlanta, Ga. Brick-kiln.
297,048. McFall. E. H., Memphis, Tenn Tele-phone call and switch box.
297,427. McGregor, Bradford, Covington, Ky.— Air medicator and injector.
297,429. Merryman, F. W., Baltimore, Md. Lamp.
297,290. Moseer, D. F., Baltimore, Md. Forming
felt boots, shoes; &c.

felt boots, shoes; &c. 297,435. Nolan, Patrick, Hunnicutt, Tenn. Raif-

way track gage. 297,443. Poel, L. G., Hazelhurst, Miss. Wagon brake. 297,447. Prunty, J. E., Baltimore, Md. Hose-pipe

297.536. Purnell, R. H., Rosedale, Miss. Hoisting

297,300, Schaffer, C. M., Louisville, Ky. Veloci-297,539. Shoemaker, W. S., Baltimore, Md. Dump-

ing coal-cart. 8mith, W. B., Orlando, Fla. Feed-guide 297,464, 81

for printing presses. 297,190. Staggs, B. F., Henderson, N. C. Coffee.

297,309. Stricker, J. W. and G. R., Louisville, Ky.

Car-starter and brake. Stroecker, Juo., Jr., Mobile, Ala. Car 297,192. brake. 297,319. Vanlohe, H., Baltimore, Md. Bleaching

raw cotton. 297,320. Walker, M. V., Venasoga, Miss. Station indicator. indicator. 297,306. Wesson, J. A., Wingo, Ky. Horse de-tacher. 297,307. Wetmore, W. H., Raleigh, N. C. Boot or

297,307. Wetmure, v. 201. 397,833. Wildt, William, Richmond, Va. Engraver's tool 297,481. Williams, D. R., Dallas, Tex. Reflector holder for lamps. 297,283. Worsick, J. E., Montgomery, Ala. Oil-cup feeder.

CONSTRUCTION DEPARTMENT.

We publish, every week, a list of every new factory, of whatever kind, projected anywhere in the South; every railroad undertaken, and every mining company organized. This information is always fresh, and, by enabling manufacturers to correspond with the projectors of such enterprises before their supplies of machinery have been purchased, is of great value. Manufacturers will find it to their interest to read this department carefully each week.

J. H. SMITH & SON, Athens, Tenn., will build an extension to their foundry.

The Troy Fertilizing Co., Troy, Ala., expect to start a bag factory, and desire information as to machinery.

The United States Electric Light Co. will establish a branch company in Atlanta, Ga.

Smith & Alexander will manufacture furniture in Chattanooga, Tenn.

The Western Maryland Railroad Co., of Baltimore, will at once build their new grain elevator at Hagerstown, Md.

Nelson H. Meese, Barton, Md., expects to start a woolen mill.

A \$50,000 hotel is to be built in Pensacola, Fla. W. D. Chipley can give particulars.

S. Brownell, of the Iron Mountain Furnace Co., Ironton, Wis, and also connected with other large companies, will build a 100-ton furnace in Alabama, probably at Talladega.

The Bainbridge Lumber Co, Bainbridge, Ga., which have just started up their new mill that will cut 150,000 feet of lumber a day, will soon add a drying house, planing mill, sash, door and blind, and barrel factory.

Tyler Cotton-Seed Oil Co., Tyler, Texas, previously reported as organized, have commenced work on their buildings; capital, \$40,000.

The Limestone Flouring Mills, Maysville, Ky., are being improved and new machinery put in.

The Yadkin Falls Manufacturing Co., of Yadkin's Falls, N. C., have recently been incorporated for manufacturing yarns and sheetings. They already have a building to be run by water-power, and now negotiating for machinery. Will run 3,000 spindles and 50 looms.

N. S. Sherman & Co. have just located at Jackson, Tenn., to start a foundry and machine shop.

C. W. Alexander, Charlotte, N. C., will start soap factory. Has already put in part of machinery.

Charles Crowell, Ashland, Ky., will start planing mill.

The Charleston Manf. Co., Charleston, S. C., have ordered about 6,000 spindles to be put in by September 1, when this mill will run 21,000 spindles.

W. W. Taylor, Havre de Grace, Md., will probably build water-works at Chestertown, Md.

Isaac S. Rowland, manufacturer of spokes, &c., Fayetteville, N. C., will put up new factory.

J. W. Shelton, Millport, Ala., will add shingle mill, gin, &c., to his present grist mill.

An extensive soap factory is to be put up in Sherman, Tex.

C. C. Hagemeyer & Co., Butler, Ky., have just completed large saw mill and will erect roller process flour mill. Snell & Knox, Pine Bluff, Ark., have nearly finished their sash and blind factory.

W. R. Woodward, of St. Louis, receiver of the Texas & St. Louis Railroad Co., says the machine and car shops of his road to be built at Pine Bluff, Ark., as previously mentioned, will be put up at once. Expect to employ several hundred hands.

As previously mentioned, the Locust Point Land Co. of Baltimore will build very extensive machine and iron shipbuilding shops at this city for the H. A. Ramsay Co. of Baltimore, the Land Company agreeing to put in the motive power, and the H. A. Ramsay Co. to put in the tools and other machinery needed.

W. M. Nalls & Co., Montgomery, Ala. have their new planing mill nearly ready for work.

The machine company organized by Geo. F. Drew and others, of Jacksonville, Fla., as previously mentioned, has been incorporated as the Industrial Machine Works; capital \$50,000.

A pressed brick factory will be started at Birmingham, Ala.

The Market Street M. E. Church, Chattanooga, will erect a new \$30,000 building.

Some prospect for a \$50,000 compress in Rome, Ga.

C. H. Sloan, W. T. Shumate and R. R. Asbury are trying to organize a canning factory company at Greenville, S. C.

The Richmond & Danville Extension Co. will construct the Columbus Gap Line of their Georgia Pacific Road, at a cost of about \$900,000.

The committee on water-works at Berryville, Va., have rejected all the bids offered as too high. Want other bids.

George Faulker, Tampa, Fla., is creeting a hotel.

The Gulf Shot Tower Co, capital \$35,-000, has been chartered at New Orleans to manufacture shot, lead pipe, sheet lead, &c., to own and operate lead mines, &c. Frank Kennedy is president and George Denegre vice-president.

Perkins & Holliday, Dublin, Ga., will build a 30-mile railroad from Dublin to a point on the East Tennessee.

A company is organizing to build water works in Durham, N. C. Mayor of Durham can give information.

Incorporated—The Helena & North Arkansas Railway Co., capital \$1,000,000.—Directors are Samuel J. Clark, Henry N. Pharr, Wm. F. Pharr, Wm. F. Gill, J. F Wendland and G. D. Joyner. Construction will be commenced at office. Office will probably be Helena, Ark.

A new steam cotton factory is to be erected at Columbus, Ga.; particulars later.

The Pacific & Great Eastern Railway Co., of Arkansas, has secured \$7,000 per mile in subscriptions, and will organize at Fayetteville, Ark. E. B. Harrison and others, Fayetteville, interested.

\$20,000 has been subscribed towards a cotton factory in Troy, Ala.

The Mercer Coal and Grain Co., Harrodsburg, Ky., will build eigar and tobacco factory, and also cooperage shop.

The Louisville, Ky., Improvement Co. has been organized by Dr. Norvin Green and others, with a view of founding a manufacturing town near that city.

An effort is being made to organize another cotton factory company in Rome, Ga

There is talk of a new furnace at Gadsden, Ala.

Savannah, Florida & Western Railway will build new depot at Thomasville, Ga.

Clifton Dancy, J. M. McGlathery and S. D. Hays will start hub and spoke factory at Jackson, Tenn.

Reported that the "Sunset" Road will build new line from Austin, Texas, to Menardville.

Shelby county, Texas, has contracted for a \$35,000 court-house and jail.

Isaac Marshall, Bridgewater, Va., expects to start plaster mill.

The Norfolk & Western Railroad Co. (office at Roanoke, Va.,) have made contracts with owners of coal lands in the Flat Top region of Virginia, whereby the agree to develop their mines and to put out 1,000 tons of coal a day, with probability of reaching 2,000 tons very soon.

Work on the Washington, Cincinnati & St. Louis Railroad (directors: U. L. Boyce, Luray, Va.; D. H. Cook, Washington; Chas. E. Kimball, Philadelphia, and others,) will be vigorously pushed. It is understood that the Dora Coal Mines, of Virginia, will be developed as soon as this road reaches them.

The King Gin and Machine Co., of Montgomery, Ala., whose buildings were lately burned, will occupy a temporary structure and fill orders until they can

Dr. A. S. Kissell, of Chicago, is trying to organize an electric light company in Knoxville, Tenn.

The Penitentiary Board, Austin, Texas, will build a foundry and also establish water-works, to cost about \$7,000, at the penitentiary.

The Chicago, Parkersburg & Norfolk Railroad Co. has been incorporated, with office at Parkersburg, W. Va.; capital stock is \$3,000,000. The incorporators are Mr. Charles Smith, Dr. Isaac Scott, A. N. Williams, R. B. Beckwith, W. L. Coles, George Loomis, A. B. White, Charles F. Scott, G. Gibbons and S. F. Shaw.

Incorporated—The Charleston & Pittsburgh Railway Co., of W. Va., office at Charleston, Kanawha Co., W. Va., capital \$1,500,000. J. N. Camden, of Parkersburg, W. Va.; Wayne McVeigh, of Philadelphia, and others, interested.

The Duffy Malt Whiskey Co., capital \$100,000, has been incorporated in Baltimore, by John A. Robb, Henry Duvall and others.

The Globe Manufacturing Co., of Houston, Texas, capital \$20,000, has been incorporated by A. P. Nibbs, F. Cowgill, E. L. Dennis and Wm. A. Grant.

J. O. Tyler, superintendent of the new woolen mill, Liberty, Va., is getting his machinery into position...

A compress company, capital \$10,000, has been organized at Okolona, Miss., with R. D. Abernethy, secretary and treasurer.

It is reported that Northern capitalists have the option of purchasing the Bertha Zinc Works, at Martin's Station, Va., for \$400,000. If the sale is made a large number of new furnaces will be built.

The Bluestone Mining Co. will develop a valuable coal mine near Pocahontas, Va., as soon as the Norfolk & Western can build a branch road to the mine.

The Valley Building & Brick Co. has been organized at Memphis, Tenn, to make bricks, &c.

D. G. Slafter, of Tuscola, Michigan, and others, have bought 57,000 acres of pine land in Alabama, and will erect large saw mill.

Several saw mills are to be erected near Spring Hill, W. Va. The Black Band Iron and Coal Co., of Spring Hill, can probably give particulars. A movement is on foot to build water works in Orlando, Fla., and Beaumont, Texas, is discussing the same idea.

P. N. Olinghouse, Lonoke, Ark., will erect a flour mill.

P. Jacobsen, King's Mountain, N. C., will enlarge his carpet factory.

Incorporated in Nashville, Tenn.,—the Mineral Glass Manf. Co, by T. M. Schlier, J. J. Bullock, Julius Sax and others.

The Franklin Elevator and Warehouse Co. has been oganized at Franklin, Tenn.

The Wheeler, Osborn & Duckworth Manf. Co. has been incorporated in Nashville, Tenn., by A. J. Wheeler, R. F. Osborn and others.

It is expected a fire-proof court-house will be built at Monteagle, Tenn.

The Virginia Compress Co., Norfolk, Va., will build a new cotton press to replace the one lately destroyed by an explosion.

Wm. H. Edwards, of Coalburg, W. Va., W. A. Quarrier, of Charleston, W. Va., and others, have organized the Kanawha & Paint Creek Railroad; office at Charleston.

The West Virginia Gas Fuel Co. has been organized at Wheeling, W. Va., by S. S. Bloch, T. H. Logan, C. R. Hubbard, and others, to mine and bore for oil and gas, to construct lines of tubing, &c.

The Western Artesian Well-Boring Co, of Charleston, W. Va., has been incorporated, to bore, drill, dig and excavate any kind of well or mine, to mine or work ore of any kind, to make bricks, &c. James P. Wintz, Philip Wintz, John M. Collins, of Charleston, and others, interested.

An ice factory and a steam brickyard are ta be started at Longview, Tex.

Talk of a bagging factory at Griffin, Ga.

Philadelphia capitalists have bought
largely of mineral lands in Appomattox
county, Va., and will work them.

P. J. Pauley & Bro., St. Louis, will build a \$12,000 jail in Vermilionville, La.

A company has been organized to build iron foundry at Texarkana, Ark.

The United States Electric Light Co., of New York, propose to establish branch works in New Orleans.

S. F. Montgomery, of Memphis, Tenn., is

working up a \$50,000 compress company in San Antonio, Texas. Kentucky is to build a branch penitenti-

ary to cost \$150,000.

Wilson & Co. will build a factory near Cambridge, Md., for grinding marl for fer-

Incorporated—the Kentucky River and Contrary Creek Coal, Mining and Manufacturing and Harbor Co.

BURNED.

tilizer purposes.

Saw and grist mill and gin of J. B. Wilkerson, near Rockford, Ala.

E. A. Brooks' saw mill, at Whitesburg, Ga.

Gin house and machinery of A. J. Simmons, Pike Station, Ala.

Mill and gin of J. A Bullock, near Och-

Mill and gin of J. A. Bullock, near Ochlocknee, Fla.; loss \$3,000.

Stove foundry of E. Farley, at Paducah; loss about \$12,000.

Saw mill at Erie Mill Postoffice, N. C.

LOCKWOOD, GREENE & CO. MILL ENGINEERS

Office, 65 Westminster St., Providence, R. I.

Carefully prepared plans, specifications and estimates furnished for the construction, equipment and organization of new mills and the revision and improvement of old.

MANUFACTURING.

Subscribe to the Baltimore Manufacturers Record. Price \$3 per year.

BALTIMORE.

MESSRS. WRIGHT & COLWELL, brass founders and finishers, Nos. 32 and 34 Lee street, report business as in a flourishing condition, having received large orders from this city and the South. They make all kinds of castings on short notice and at reasonable prices; also make a specialty of bearings.

MR. JOHN B. ADT, engineer and machinist, Nos. 88 to 92 N. Holliday street, now has on hand a good many orders for new and general repair work. He is working his full force, completing a city order for his well-known tobacco dryer and two granulators for New Jersey.

MESSRS. JOHN G. HETZELL & Co., manufacturers of metal cornices and roofing, Howard and Lexington streets, have been exceedingly busy for some time past. They are constantly in receipt of large orders from parties in this city.

MR. JOHN N. MARQUETTE, machinist No. 6 West Falls avenue, reports his business as quite brisk, having sufficient new and repair work on hand to keep him going for some time. During the past winter he did a large and remunerative trade, and the prospects are that his spring and summer trade will be heavier.

THE Ewart Patent Detachable Chain Belting for elevators, or for the transmission of power in place of belting, &c., is becoming more popular and the demand is steadily on the increase. Mr. R. Swormstedt, the general Southern agent, No. 18 East Falls avenue, reports orders coming in very liberally.

MR. WM. R. EMERSON, general agent E. M. Birdsall Co , Nos. 6 and 8 North Liberty street, has just sold four complete outfits in the South, consisting of engines, saw mills and threshers. He reports his business booming.

THE Vigilant Fire Company, of Shippensburg, Pa., have placed their new bell in position over their engine house. weighs about 500 pounds and is said to give out a clear, full tone. It was cast at the well-known foundry of Messrs. Mc-Shane & Co., North street, Baltimore. This firm lately sent a bell to Houlton, Me, which elicited a very flattering letter to the effect that the purchasers were satisfied and that it was a first-class article in every respect. Messrs. McShane & Co. have also been awarded contracts or orders for three large bells for Harbor Grace, N F.; a large bell of nearly one and one-half tons for a court-house in Indiana; a ton bell for New Jersey, and a one and onehalf ton bell for Cleveland, Ohio.

IN GENERAL.

THE Carrollton Furniture Factory, capital \$40,000, Carrollton, Ky., has just started up with every promise of great success .-The machinery is from the well known wood-working machinery manufacturers, Cordesman & Egan, of Cincinnati.

THE Babcock & Wilcox Company have just placed with Leishman & Snyder, of Pittsburg, an order for 500 tons of open hearth steel. The care which they exercise in purchasing material is shown by their specification upon which it was ordered, wherein they demand that a coupon shall be attached to each plate, which shall show 55,000 to 65,000 pounds tensile strength, with 20 per cent. elongation in 8 inches, to stand bending double both before and after being heated and plunged into cold water, without showing any cracks, and the analysis is not to show to exceed 8-100ths of one per cent. phosphorus.— Steel to be branded and stamped "60,000 1bs. T. S."

THE Yadkin Falls Manufacturing Co., of Yadkin Falls, N. C., have recently been incorporated for the manufacture of cotton yarns and sheetings. This company have already erected their mill, which is 118 feet long by 50 feet wide and two stories high. They will run by water-power, and although some distance from the railroad they are favored with many of the necessary points for economical manufacturing, good help, reliable power, and in the midst of a fine cotton-growing section. The company will run about 3,000 spindles and 50 looms. The officers of the ration have recently been among the machinery builder- of the North, and contemplate going ahead immediately with their enterprise, so as to be able to start about September 1st.

AT the meeting of the stockholders and creditors of the iron manufacturing firm of Brown, Bonnell & Co., in Youngstown, Ohio. \$1,000,000 of the \$1,250 000 indebtedness being represented, an adjustment was effected, and it was agreed to organize a new company called the Brown-Bonnell Iron Company, with a capital stock of \$1,200,000.

The Cotton Industry.

The cotton interests of the country, from the planting of the staple to its manufacture, are of such great extent that a few facts bearing upon its history may prove of From a recent lecture of Mr. Thos. Pray, Jr., of Boston, we gather some interesting facts regarding the cotton industry. Maryland seems to have had the honor of being the first of the colonies to raise cotton. the earliest record being that in 1736 this staple was cultivated on the western shore of this State. In 1784 a few bags of cotton were exported from South Carolina to England; and as this was the first shipment made, its hundredth anniversary will be commemorated at New Orleans by the great Cotton Exhibition, the preparations or which are now in progress. Moses Brown, founder of Brown University, wrote in regard to the necessity of finding some method of taking the fibre from the seed In 1793 the invention of the cotton gin solved Brown's problem. The first mill established was at Beverly in 1789. In 1788 fancy weaving was started in Rhode Island. In 1810 we had 74 mills in the United States driven by water power and 14 driven by other means; the aggre gate capital employed being \$4,800,000. In 1811 the power loom was invented, and in 1813 the first complete mill for producing cotton cloth from the bale was erected. with 1,700 spindles and 36 looms. In 1816 there were 120,000 spindles in the United States, 68,142 being in Rhode Island and 34,463 in Massachusetts. By 1837 we find that the capital invested in cotton mills was \$60,000,000, the number of spindles having increased to \$2,500,000.

From 1857-61 the largest increase in manufacturing industries that has ever occurred was realized. From 1861-65 the prices varied very largely, creating great confusion among the manufacturers. Good middling upland cotton started at 101 cts. and got as high as \$1.90 to \$1.92 and from that extreme price down to 32, 28, and then The rates of wages settled at 20-23 cts. also advanced with the raw material. 1831 women in Lowell received \$2.31 to \$2.60 per week, in 1864 women earned \$12 to \$14 per week. To day the average pay of women and children in Lowell is \$5.30 to \$5.60 per week. From 1867-73 we were on an even keel, the only thing interfering with prosperity being the inability of the mills to make goods enough, although wages and values were fluctuating. In 1865, 1866 and 1867 men who were building machinery and making goods could not make all that was wanted. When you commence to increase your production, as was done at that time, a general reduction of quality is found, but diminishing the

production in quantity you also increase your cost of producing. In 1873 goods commenced to find actual values. property which cost \$1,000,000 in 1865-67 during the depression following 1873 sold at \$212,000, and under such circumstances it is no wonder that many mill-owners For twelve or went out of the business. thirteen years our business had been managed by incompetent men. A large part of our depression to-day is due to the enhancement of values about the years 1867 and 1868 and bad management on a falling market-using up surplus and not keeping up quality and production.

The best cotton from the South is carried out of the country because somebody else is able to work it up cheaper than we can. We are lacking much in the knowledge requisite for working up the best qualities of goods. We must start and teach in every practical branch and detail of the business. The touch and eye require an education similar in fact to that necessary for a professional career. We must give to the South all they can do, as they can manufacture at home, and must turn our attention to taking the place of England, and making such goods as our skill and experience will allow us to do which has heretofore been imported. Cotton spinning as a business has succeeded, taken in the aggregate. But the men who have best understood their business have given the best dividends to their stockholders. The census of 1880 gives interesting facts to think about; 1,570,344 bales of cotton were used, costing \$86,900,000. The supplies necessary were 16,000,000 and the product was of the value of \$192,000,000; 1880 was not an extraordinary year, yet there was considerable of a margin between the cost and the product. The power in 1880 was 148,750 horse power of water and 106,000 horse power of steam. Aggregate steam power to-day, however, largely exceeds that of water, even in Lowell and Lawrence. In 1831 there were 801 establishments in the United States; in 1851, 1,094; in 1860, 1,091; in 1870, 956; in 1880, 756. A mill of 100,000 spindles is not an extraordinary one to-day. Manufacturing establishments are decreasing in numbers, while the spindles are increasing. In 1831 the capital engaged was \$40,000,000; in 1870, \$140,000,000; in 1880, \$208,225,000.

The survival of the fittest is being shown in these establishments as in other indus-The decrease in the number of establishments by absorption by the larger and the lack of union among the manufacturers are among the chief causes for the peculiar condition of the industry to-day. In the United States, differently from foreign natious, there is a lack of conso-nant action to keep down production. Every one is bound to make the most out Every one is bou of his neighbor.

NEW PUBLICATIONS.

A. E. BARTHEL, New York, has issued a handsomely colored circular of twelve pages, illustrating and describing the Reisert, Struffer & Barthel patent lubricators and patent solidified oil. By this method of lubrication a saving of from fifty to seventy-five per cent, is claimed by Mr. Barthel, and substantiated by the monials of leading manufacturers. Among the other advantages are perfect cleauliness, reduced wear of bearings, saving of time no hot boxes, shafting or bearings, and lubrication from below, side or top. Full descriptive circulars will be sent upon application to A. E. Barthel, P. O. box 2.837. New York.

LIPPINCOTT'S MAGAZINE for May contains: The Hill-Suburbs of Cincinnati, illustrated; The Perfect Treasure; How the Roman Spent His Year, two papers, II, by William F. Allen; Along the Columbia River and Puget's Sound; Retaliation, a story; Diary of the last European who

Rode Through the Desert from Berber to Suakin; At Last, by Annie Porter; Shakespeare's Tragedies on the Stage; The Rev. Nahum, by M. R. Francis; A Day in Early Spring, by Horace Lunt.

Together with other short stories, poems, and articles of interest upon current topics. J. B. Lippincott & Co., publishers, Phila-

How to Build, Furnish and Decorate. New York: Co-operative Building Plan Association.

A large and handsome volume, consisting of elevations and plans for hous barns and every description of out-building, accompanied with clear and concise instructions; also a complete treatise on house furnishing and decoration. No one who contemp^tates building should fail to get this book, and those who are not going to build will find it full of practical suggestions and plans that will enable them to render their homes more attractive. a valuable publication, worth many times its price.

ORANGE JUDD, editor of the American Agriculturist for some thirty years, but unconnected with its business management for a year or two past, has lately retired from its editorial department and located in the West. He desires to gather a complete "Postal-Card Album" of his old readers and friends, and requests them all to send him now a postal giving their present location and address, naming also, when convenient, the years in which they were his subscribers. Mr. Judd's address is Chicago, Illinois.

MESSRS. EWEN BROS., of New York, have issued a comprehensive cotton chart, printed in colors, giving the number of cotton plantations and their acreage, the yield of the various States, the consumption of spinners in different countries, the port receipts and exports, with their value, and the overland and interstate movement. It also gives a comparison of stocks in the United States, Great Britain and the Continent, the amount of cotton in transit, the visible supply and the prices of middle upands in New York from 1870 to date. The product of the East India and Egyptian crop is also shown.

THE Century for May presents a greater variety of matter, probably, than any previous number. The frontispiece is a portrait of Chief Joseph, the Nez-Perce. Among the more important articles are "The Salem of Hawthorne," by Julian Hawthorne, profusely illustrated; "Recent Architecture in America," with eighteen illustrations; "The Metopes of the Parthenon," by Charles Waldstein, with illustrations. "Dr. Sevier," by G. W. Cable, and "An Average Man," by Robert Grant, are continued. Other stories, sketches, essays and poems make this number a remarkably interesting one.

THE Columbus, Miss., Dispatch joins in the general commendation and says: The BALTIMORE MANUFACTURERS' RECORD IS doing good work for the South.

Important to Southerners.

Persons arriving in New York via Cortlandt Street Ferry, by taking the 6th Avenuc Elevated Train, corner Church and Cortlandt streets, can reach the Grand Union Hotel in 42d street, opposite Grand Central Depot, in twenty minutes, and save \$3 carriage hire. If en route to Saratoga or other summer resorts via Grand Central Depot, all bagg ge will be transferred from hotel to this depot free. 600 elegantly furnished rooms \$1 and upwards per day. Restaurant the best and cheapest in city. Families can live better for less money at this hotel than at any other first-class hotel in the city.

The Brown Hammer.

The Brown Rubber-Cushioned Power Helve-Hammer shown in the accompanying illustrations retains every advantage heretofore applied to cushioned helve ham mers, while having improvements which greatly increase the force of the blow, and so adding to the capacity and efficiency that it merits the attention of all prospec tive purchasers of a tool of this class

It is claimed that "the best cushioned hammers of the day are actuated by a crank, (or its equivalent—an eccentric,) raising the hammer with the same speed that it is brought down, and as the weight of helve and hammer is to be raised at each blow, it follows that more power is exerted in raising the hammer than in delivering the blow, which is the reverse of what a smith does, while in the Brown Hammer an improvement has been added by which three-fifths of the revolution of the crank is used to raise the hammer, and two-fifths to deliver the blow, thus equalizing the power applied by slowing the up move ment of the hammer, and proportionately accelerating its down action, aided by its own gravity, with such velocity as to increase the weight or power of the stroke in proportion to the increased sharpness or quickness of the blow. Comparative tests have been made with the reputed best helve hammers in use, with the surprising results of reducing cold steel a given amount in two-thirds the time used by other hammers. The increased power of the hammer has been thus plainly measured time and again with like speed, stroke, size, and positions of different hammers, with like favorable results, and can be shown to any applicant."

Particular attention has been given in obtaining simplicity of parts, convenience of adjustment, strength and endurance. It is made of iron and steel, (except the helve,) each part well proportioned for its use, and fitted with care by the most skilled me-It has two rubber cushions, placed as to dissolve the concussion of the blow most perfectly between the driving and the driven parts, and the cushions are easily adjusted to increase the flexibility or rigidity of the helve as desired. The hammer is readily adjusted to large or small work by being raised at its trunion bearing, through gearing and screws, by which both sides are moved at the same time and alike to any desirable position, and lengthening or shortening the helve pitman to conform. The helve pitman adjusts in length by turning-being made of right and left screw parts, working in a long threaded slit thimble, with clamp bolts to hold solidly in position after being adjusted to place.

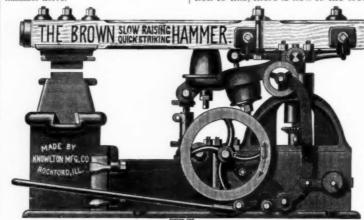
The length of stroke is quickly made without changing the relative position of hammer to anvil. A nut recessed washer, leather packed, is used upon the bolts, holding the hammer to the helve in such form as to retain the nuts from loosening, thus relieving the bolts, and, at the sar time, securing the much desired solidity of parts for great service. The brake acts upon an eccentric formed part of driving pulley, to secure the stopping of hammer in a raised position. The helve oscillates upon a trunion the same height as the face of the die, to strike a square blow inpacting the metal on all sides alike, even to the upsetting of an inch disc of steel with as much evenness as a steam hammer, thus most nearly approaching it for die work. The helve is adjustable up or down, or to either side, as desired. The anvil block is separated from the hammer by wood, and by proper setting the jar of the anvil by the blow is dissolved so as to not influence the working parts.

The anvil is adjustable to either side. Power is applied by the customary tightener and foot lever surrounding the hammer. The hammer is under most perfect control, striking a blow that will only crack a nut, or of Herculean force.

Of several advantages, one possessed by the Brown Hammer is illustrated by figure 2.

The rock shaft K M rocks on its trunons G. Shaft A drives crank B, which by a pitman is connected with the rock shaft at C. H represents the adjustable sleeve, sliding on outer arm of rock shaft M to change the length of stroke as desired. It is clamped to place by a screw at e. h re presents wrist pia, connecting sleeve H to pitman P, the other end of pitman P being attached to the cushion arm actuating the hammer helve.

THE Graniteville and Vaucluse cotton mills, of Augusta, Ga., owned by the same company, according to the annual report of President Hickman, made to the stockholders a few days ago, earned for the past year a net profit of 131 per cent., despite the dull times. This company has been remarkably successful. Out of its earnings, over and above good yearly dividends, the Vaucluse mill, costing \$361,513.24, was built; and, in addition to this, there is now to the credit



HAMMER-FIG. 1.

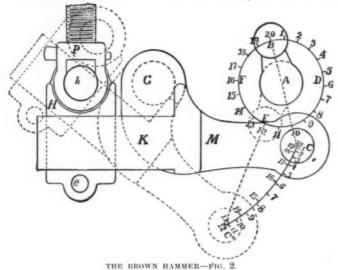
parts, shows the movement of the driving The curved line C C, numbered on one side 1 to 12, shows the relative movement of rock shaft at C while crank moving from 1 to 12 in its revolution to raise the hammer; and 12 to 20 is corresponding movement, while the crank completes its revolution through the 8 remaining spaces to its starting point, delivering the blow.

It is thus seen how three-fifths of the It is thus seen now three-inths of the revolution of the driving crank raises the hammer, and two-fifths of its revolution brings it down.

Further particulars can be obtained from the Knowlton Manufacturing Company, Rockford, Illinois.

Circle B D E F, divided into 20 equal of profit and loss account \$220,831 -86,-making the real surplus of the company \$582,345.10. Mr. H. H. Hickman, the able president, has amply demonstrated his success as a cotton manufacturer.

> MR. B. HILLYARD, of New Orleans, La., says that he represents a Real Estate Office and Board of Information, and that the parties he represents have large capital that they wish to place in cotton factories in the South, provided the amounts



A DISPATCH from Jackson, Miss., to the Times-Democrat says: "The Pearl River Oil Mill here is to-day shipping the first 100 tons of its prepared cotton seed to Liverpool, Eng. This mill has been experimenting all winter on a patent process to remove all lint from the seed, and has recently perfected it and is now running night and day. This process will put American cotton seed in competition with Egyptian seed at the English mills, and will bring about a revolution in the oil mill business in the United States."

are not less than \$200,000, and that the town or local stockholders take an equal amount of stock with themselves.

The timber resources of North Carolina are, we know, immense, and there are some very big trees in that State, but when the Raleigh Chronicle tells us that a good size church, even to the shingles, pews and pulpit, was built from the lumber obtained from one tree, we feel a little dubious about it.

HE MARKETS.

OFFICE MANUFACTURERS' RECORD, BALTIMORE, April 30, 1884.

Business during the week has moved along as for some time past, with no decided change, and it is quite probable that we will not now see any marked increase in trade until the opening of the fall season.

The present outlook seems to indicate abundant crops throughout the country, and should this prove true at harvest time business of all kinds must be stimulated into more life and activity.

In our local market the manufactured iron trade has been quiet, with transactions small and prices as last quoted, viz : Ref. Bar Iron, 1 to 6x % to 1...... 8 b. 1.96 2 c

6.6	6.6	1 to 4% x1% to 1	81	1.9 @	2 6	
60	99	% to 2, round and		-	-	
squar	re		45	1.9(a)	2 6	
Hoop I	ron, 1	% wide and upward	64	28 a	8 6	
Band I	ron, fi	rom 1% to 6 in. wide	0.0	2%(m)	2.6c	
Horses	hoe I	ron	45	3.2(4)	3.8c	
Norwa	y Nai	Rods	26	5 (a)	5 % e	
Black I	Diam.	ond Cast Steel	4.0	10 (0)	11 e	
Machin	ery S	teel	94	4% (m)	4%c	
Spring	Steel		44	3 % €	4 0	
Commo	on Ho	rse Natla	46	10 (a)	11 c	
Railros	ad Spi	kes, 5% x9-16.,		2.5 @	2.6c	
Mar.						

Pig iron shows no improvement, and in e sections, as will be seen by our market reports, there is increased depression and lower prices. We quote as follows:

aitimore	Cha	rc. al	M.	heel	Iron	call		
Baltimore	e ore	:)				\$98	(NVa)29	00
irginis C.	B ('harc	lao	Whe	el Iro	m 28	00(a)-	-
nthracite,	No.	1				91	00@23	00
Ba	84	2				90	00/a 21	00
80						18		
66	Mot	tled	and	t Wh	ite	16	00.a.17	00

Philadelphia Iron Market.

PHILADELPHIA, April 28, 1884.

The iron trade is even duller than reported last week. There is a strong declining tendency in almost all branches, and demand is correspondingly inactive. Prices of standard and special brands of pig iron are held firmly at \$20 to \$21 for No. 1 foundry; \$19 to \$19.50 for No. 2, and \$18 to \$18.50 for Gray Forge; but for anything inferior prices are weak and low and stocks abundant. If the makers of good irons would accept lower prices, it is probable that a good deal of iron could be sold, but they are firm, and so consumers either buy the smallest possible quantities or else attracted by the lower prices of inferior irons, purchase them. Mill men are not taking very large quantities for forge, as their productions are in very light demand and they do not care to load up stocks at present.

A sale of 500 tons of steel rail crop ends for Baltimore delivery is reported at \$21. Spiegeleisen has sold at \$23.75, and \$2850 for small lots of 20%. Bessemer is quiet at \$20.50 to \$21 for small lots. There is very little life in foreign irons; very small lots are coming in and the demand is becoming less and less under the competition of domestic makes.

A good deal of refined iron is being old, but the lots are so small that the market has the appearance of even greater dullness than exists, and prices for all excepting the very best makes are very weak. Western iron is still being offered here, and is taking the place of the Eastern article in some cases. There is an entire absence of large orders, and competition is active for the business that is being presented. 2 cts. is paid for small lots of the best iron, and what is called refined has sold as low as 1.80. Plate, tank and structural iron are quiet, and prices are being shaded considerably to obtain business. The latter is in best demand, although no mills have many orders ahead. Common plate has sold as low as 2.10 to 2.15 in some cases; other quotations are nominally unchanged. Sheet iron is quite active, in small lots mainly. Prices are firmer than they have been, but no advance has been possible as yet. Small sales of muck bars are reported at \$31 to \$32; blooms \$55 for charcoal, \$45 for anthracite. Nails are

active at \$2.50 to \$2.60, with prospects of an active demand throughout May and June for the large building requirements of the season

100 and 500-ton lots of steel rails are selling at \$33.50; large orders would be taken at \$33. Demand is very light in the aggregate, and prices are still tending downward. Old rails are wanted at \$22 in small lots, with 50 cts. to \$1 more asked. Shipments are offered at \$22, with no buyers. Double-heads and bridge rails, \$23.50 to \$24.50 Scrap iron is quiet at \$23 to \$23.50 for No. 1; \$22 to \$22.50 for cargo lots.

Cincinnati Iron Market Report.

Specially reported by Rogers, Brown & Co., Pig Iron Commission.

CINCINNATI, April 28, 1884.

The only encouragement in the pig iron market comes from outside sources. local trade is extremely dull. Under the suspension of demand, prices have weakened somewhat, and are in most grades a shade lower. Reports from the East tell of a slightly improved demand and firm prices. In Northern Ohio the advance in the price of coke, brought about by the combination of makers in the Connellsville region and the stiffening in prices of Lake ores, lead makers to expect better prices for pig iron. Furnacemen state that if they have to pay more for coke and ore they cannot continue to make iron unless consumers will stand the advance. The last report shows that of every four furnaces in the State of Ohio three are out of blast. There are nineteen less furnaces blowing in the country than on January 1st. In the South there is no restriction of output, but rather a small increase. Some large sales of car-wheel iron have been closed during the week. There have been a few inquiries for Grey Forge, but the Western mills are not dis posed to buy much beyond present wants until the labor question is settled. Wellinformed persons in Cincinnati think a strike is pretty sure to come, while the feeling in Pittsburg is reported to be that a strike will be avoided. Our quotations, which are for cash on cars in Cincinnati, are as follows:

		1	OT-BL	AST	POUNDRY.		
1	Hanging	Rock	C. C.,	No.	1\$21	50(a)28	00
	11	15	34		2 19		
1	Southern		80	66	1 20	00(a):0	50

Southern		L. coccocces.	40	one .	DO	
Strong Coke,	0.9	1	18	50@19	25	
80 06	6.6	2	17	50@18	00	
66 65	9.6	3	17	00@17	50	
Soft Stone Coal,	6.9	1	18	:0@19	25	
86. 96	6.5	2	17	00@18	25	
	Pot	RGE.				
Strong Neutral,	No. 1 M	III	16	00@16	50	
Cold Short.	* 1 *		15	07@16	00	
CAR WI	IEEL AN	D MALLEABI	B.			
Hanging Rock C	. В		30	00@31	00	
** ** V	V. B		20	00@24	00	
Southern Car-W	heel Iro	n	24	50@26	00	
Lake Superior	65 69		94	00@25	50	
11 11 M	alleable		24	50@25	50	1
						١

Specially reported by E. L. HARPER & Co.

CINCINNATI, April 28, 1884.

No new features are presented in the trade. The market continues moderately active, and prices on reliable brunds are well sustained. Off grades, when urged, are suffering a reduction in prices. The possibilities of a disagreement between the mill proprietors and their men June 1st will result in an improved demand for manufactured iron during the next 30 days. We quote as prices current:

FOUNDEY. FOUR	Montas.	۰
Hanging Rock Charcoal, No. 1\$22	25(a)23 25 25(a)22 25	5
Strong Neutral Coke, " 1 18	50@19 00	
American Scotch. " 1 18		
GREY FORGE.		
Neutral Coke		
CAR WHEEL AND MALLEABLE.		
Hanging Rock, strictly cold blast	-@27 25 00@24 50	

HARDWARE.

The market shows no change since our last issue, the volume of business continuing fair, and probably proportionately larger than in other branches of trade Prices remain nominally unchanged, and there seems to be a belief on the part of some that any changes that may occur will be towards higher figures. The cutting in prices by Philadelphia houses, as reported in our last issue, still continues.

THE bolt and nut manufacturers of the United States have formed a pool for the purpose of restricting production and establishing profitable selling rates. A meeting is to be held to revise the rates and discounts and to limit the time fixed for the pool agreement. It is thought that prices will be advanced.

UNDER the head of Business Chances will be found the advertisement of a gentleman who desires to buy out a hardware store, or to establish one, in some city in the South, where there is a good opening.

THE demand for nails in this market is still disappointingly light, though better trade is reported by some other nail markets. Prices continue \$2.50 to \$2.60, according to quantity. The Western nail manufacturers are still endeavoring to advance prices by their pool combination.

The Covert Manufacturing Company, of West Troy, New York, are so well known as manufacturers of what they are pleased to call horse and mule jewelry, or, in other words, harness snaps, swivel snaps, openeye bit, chain snaps, snap and thimble for horse and cattle ties, rope halters, halter leads, hitching cords, and other things too numerous to mention, that it is hardly necessary for us to say much about that line of goods. But this company have lately gone into something new, and to that we would call the attention of our readers: it is the manufacture on a large scale of every variety of chains. For this purpose they have erected several large buildings, one just completed being 130 feet long. They have started these works just as might have been expected from their past reputation-on an a No. 1 basis; and having superior facilities for exten sively manufacturing every grade of chain used, and employing none but skilled workmen, they can be counted upon to produce the very best quality of chains at the lowest prices. Although they have only lately started their chain factory, they are rushed with work, and, in addition to the manufacture of chains for their own business, already have orders enough from different sections to keep their works crowded during the entire summer. In fact we feel quite sure that they will soon have to enlarge their capacity. They are, of course, driven to their full capacity in their old establishment filling orders for harness snaps, rope goods, &c., and it could not well be otherwise with a company that are such firm believers in the value of printers' ink. Having a good thing they believe in telling the world of Their catalogue will be sent free upon application.

Louisville Iron Market.

Specially reported by GRO. H. HULL & Co., Co mission Merchants for the sale of Hot and Cold Blast Pig Iron.

LOUISVILLE, KY., April 28, 1884. The market is quiet and prices are slightly lower on some grades of foundry and mill irons. Standard brands of hot blast are keeping well sold up from week to week, whereas inferior brands have to be put on the market at a concession to effect sales. Cold blast irons continue dull and without change in price. We quote Lake Superior Charcoal, all grades.. 24 00@25 00 South, Car Wheel, strictly cold blast. 26 00@26 50 for cash in round lots as below:

PIO IROK.			
Southern Coke. No. 1 Foundry		50@19	25
9	17	50(a)18	00
Hanging Rock Coke, No. 1 Foundry.	19	50@20	50
" Charc'l, " "	22	00(4)23	50
Southern Charcoal, No. 1 Foundry	19	00(a)21	00
Silver Grav, different grades	16	00@18	00
Southern Coke, No. 1 Mill, Neutral	15	50(a)16	00
11 11 11 9 11 11	15	00(4)15	50
" " Cold Sh't	15	CO(a) 15	50
Southern Charcoal, No. 1 Mill	16	00(a.18	00
White and Mottled, different grades	14	00(a.14	50
Southern Car Wheel, stan'd brands.	26	00(a)27	00
" " other braude		00(a/24	
Hanging Rock Cold Blast		00@28	
" Warm "		00@23	

Chattanooga Iron Market.

Specially reported by S. B. Lows.

CHATTANOOGA, TENN., April 28, 1884.

There has been a noticeable dullness in trade for the past week, and collections are reported difficult. Margins of profits are becoming narrower every day, consequently credits are being shortened and quicker cash insisted upon. While spot cash would force concessions in some lines for large quantities, yet we make no change

in quotations.	Quote:		
No. 1 Foundry		\$18 00	@19 00
No. 2 Foundry		17 00	@18 00
Gray Forge			@15 00
Car-Wheel Metal.		23 00	(a)25 00
Nails, car load lots		2 50	(a)
Bar Iron		1 85	@
Old Rails		21 00	@
Old Wheels		17 00	(a)
Wrought Scrap, N	io. 1	16 00	@
40 .4 B	0. 2	13 00	(a)
Spikes (Railroad).	*******	2 40	(a)
Splice Bars			@
Light Rails		2 15	@
Barbed wire-4-pt		- 6	@
44 Cam	bria Lunk	- 65	(a)

St. Louis Iron Market.

Specially reported by Hoffen & Co.. Pig Iron and Iron Ore, No. 318 Olive Street. St. Louis, April 28, 1884.

There is nothing new to report in the iron market. It continues quiet: very few

new sales, except for specialty irons, making. We quote:

HOT-BLAST CHARCOAL.			
Missouri	119	00(a)20	00
Southern	30	00(a)22	00
Ohio	24	00@26	00
COKE AND COAL.			
Missouri	19	00(a)20	00
Southern	18	50(a)19	50
Ohio	21	00(a)25	00
MILL IRONS.			
Red Short	17	50@18	50
Neutral		00@18	
CAR-WHEEL AND MALLEABLE I	RO	N.	
Missouri	19	50@21	00
Southern	25	00(a)28	00
Ohio	28	00(a)32	00
Iron, par.			

BRASS.

LL AND SHEET BE Brown & Sharpe's Gauge the Standard

New List, Jan. 17, 1884. Dis 10@20 %

Wider than 1 2 10 12 14 16 18

and including.	10	7.8	14	10	18	20
To No. 20, inclusive	.91	.94	.93	.25	.27	.39
Nos. 21, 22, 23 and 24	.23	.28	.104	.26	.28	.30
Nos. 25 and 26	.22%	.23 %	.24%	.27	.29	.31
Nos. 27 and 28						
Add 9 cts. V lb. for she	eets c	ut to	parti	cular	r wid	ths
and lengths.						
Add %c. F B. additio			a nun	aber	thin	ner
than Nos. 28 to 38, 1						
Brass thinner than N	0.38	is Pla	iters'	Bras	56.	
At						
Printers' rules						cts.
Printers' Sheets and I						
sizes and lengths to	No.	20, in	clusiv	e	30	cts.
Brazing, Spinning as more than common				8, 0	ne c	ent
Low Brass four cts. ¥	Ib. m	ore th	an co	mm	on H	igh
Brass.						-

Gilding, Oreide and Bronze seven cts. V 16, more than common High Brass.

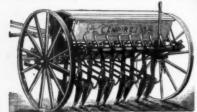
Add to list as follows:	
Over % in. to 2 in., inclusive, Nos. 12 to 20,	
inclusive %	å
Over 1/4 in. to 1/4 in., inclusive, Nos. 12 to 20,	
inclusive 1	
in, and narrower, not less than 4	
Over 1/4 in. to 2 in., inclusive, Nos. 21 to 28,	
over 1/2 in. to 1/2 in., inclusive, Nos. 21 to 28,	
inclusive	
in. and narrower, Nos. 21 to 28, inclusive,	
not less than 6	
Over h in. to 2 in., inclusive, Nos. 29 to 32,	
inclusive 1%	
Over & in. to & in., inclusive, Nos. 29 to 32,	
inclusive 3	
in. and narrower, Nos. 20 to 32, inclusive,	
not less than19	
Over % in. to 2 in., inclusive, No. 33 and	
thinner	
thinner G	
in, and narrower, No. 33 and thinner, not	
less than18	
Slit Metal cut to particular lengths, V B. ad-	
ditional 5	

PLATERS' OR GOLD METAL.

WIRE IN CO	17.0	
		and a
Old English gauge th	ae Stand	
Common		Gilding,
High	Low	Bronze and
Brass.	Brass.	Copper.
l Nos. to No. 16,		
lnc \$.22 os. 17 and 18 23	\$,26	₿ .30
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19 and 30 94	28	20
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38 55	63	/62
84 64	68	96
35	74	1.30
36 96	80	1.50
37 1.00	1.04	1.70
38 1.30	1.84	2.00
39 2.00	2.00	8,25
40 2.00	2.60	5.75
n Round Wire, ncy Wire not less than 10 ct Vire. ooling on one-pound spool ooling on ten-pound spools	s 12 cts.	W B. extra.
XIPA.	or more	2 0 0001 4 1001
BRASS TUBI	NG.	
own & Sharpe's Gauge t	he Stan	dard for all
Tubing.		Per Ib.
nin, to No. 20, inclusive ove 5-16 inch to 3 inches, iin, to No. 30, above 3 inch 5-16 inch to No. 20 ½ inch 3-16 inch ½ inch ½ inch baze Tubing 3 cents per po 8. 21, 22, 23, two cents advi	es	45 45 60 1 00 1 50 2 than Brass.
umber. s. 24, 25, 26, four cents adv. umber. ove No 28, special rates.	ance on	list for each
ents advance on list price	inch and	above, five
Mandrel-drawn Tubes un ve cents per pound advan- acy Tubing to No. 20	e on list	prices. \$0 43
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dvance on list.		
d to one cent one-half cen utting under two feet.	t for eac	ladoilipha n

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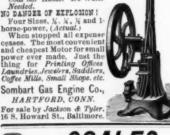
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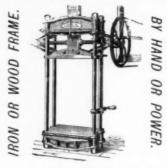


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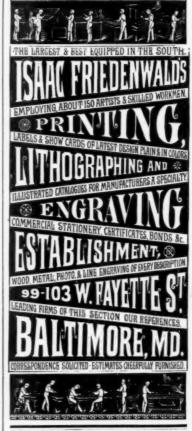
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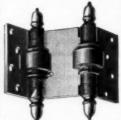
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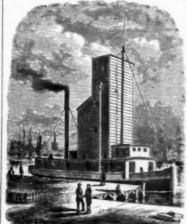
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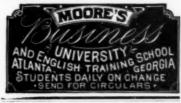
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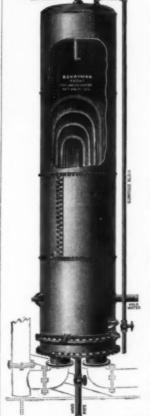
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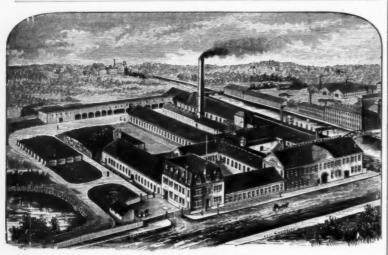
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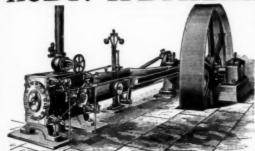
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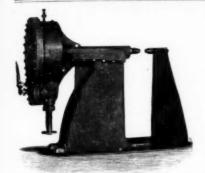
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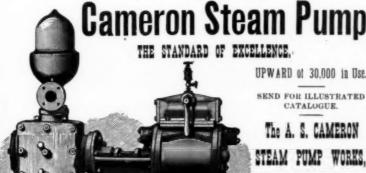
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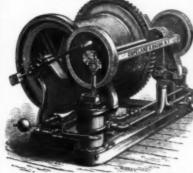
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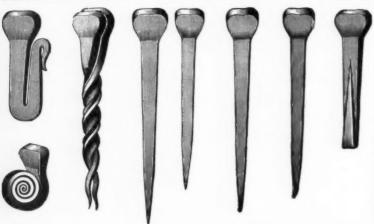
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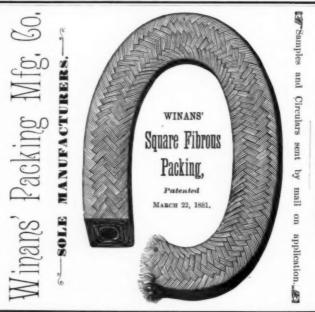
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Eagle and Vulcan.
L'ilommedieu's Ship Augersdis 15 \$
Sewing Brass Ferrule. \$3.50 \(\psi\) gross—dis 40&10 \(\psi\) Patent Sewing, Short \$10 \(\psi\) gross—dis 40&10 \(\psi\) Patent Sewing, Long
AWLS, BRAD SETS, &C.
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Collins & Co
Brad Sets, Stanley's Exc.' No. 3, \$1.80. dis 30&10 \$
Sheldon & Co., iron
Sheldon & Co., iron
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Hand Light Brass dis 70 s
Hand, Light Brass dis 70 g
Molders'
Francis dis 20 5 Mackrell's vdo pairs \$1.00, dis 10 5 Van Sand's Screw Pattern \$9 W gross, net Van Sand's Old Pattern 1.14 \$5; 13, 8.50 W gros, net Merriman's Old Pattern 1.15, \$5; 13, 8.50 W gro, net Merriman's 103 in w gross \$36 00 Zimmerman's 9 in W gross \$36 00 Zimmerman's without screws \$5,00 less
Barbed, % in. and larger W ib 11c net
Barbed, % in. and larger

The same of the sa	New Not	Cast Iron.
The second second	Union Nut Co dis 55 \$	
	Bargent's	X. X
	Wrought Brass	Fitch Hote Hote Lawr Rubb Swee Luste Silve Whit Asson
	Fast Joint, Narrow. dis 50&10&10&55 Fast Joint, Lt. Narrow. dis 50&10&10&55 Fast Joint, Broad. dis 50&10&10&55 Fast Joint, Broad. dis 50&10&10&55 Table Butts, Back Flaps, &c. dis 50&10&10&55 Inside Blind, Regular. dis 50&10&10&55 Inside Blind, Regular. dis 50&10&10&55 Inside Blind, Light dis 50&10&10&55 Loose Pin, Wrt. dis 50&10&10&55 Loose Pin, Light dis 50&10&10&55 Spring Hinges Geer's Spring and Blank Butts. dis 50&10 Fing Hinges Geer's Spring and Blank Butts. dis 50&10 Fing Hinges Geer's Spring and Blank Butts. dis 50&10 Fing Hinges Geer's Spring and Blank Butts. dis 50&10 Fing Hinges Glass 50&10 Fing Hinges Glass 50 Fing Hinges Glass 50 Fing Hinges Glass 50 Fing Hinges Glass 50 Fing Hutts, Shepard's, No. 50 Fing Hinges Fing Hinges Glass 50 Fing Hutts, Shepard's, No. 50 Fing Hutts, Shepard's, No. 50 Fing Hutts, Shepard's, No. 50 Fing Hutts, Hutfer. dis 50 Fing Hutts, Hutfer.	Wilsame Ame Wm. Embleatl Brass Torr-Gem No No. No. 5 No. 5 No. 6 No. 7 Stand
	Blind Butts. Clark's. Nos. 1, 3, 5	Ohio Cross Nobl Brad Adju P. S. Doug
	\$16.50 19.00 21.50 24.00 27.00 30.00 35 50 36.50 CAN OP. NERS. American American New Idea. \$15.00 gross No.4, French. \$7.00, dis 10 g No.5, Iron Handle \$7.00, dis 10 g Sardine Scissors \$7.00, dis 10 g Universal \$7.00, dis 10 g Universal \$7.00, dis 55 g Universal \$7.00, dis 55 g Universal \$7.00, dis 55 g \$7.00, dis 55 g	Black Brea Brea Brea Brea Wils Auto
	C.M. C. F. C. trimmed	Medi Victo
	G. D. & S. B	Flour B. & Kettl
	Central Fire, pistol size	Tinn Escui
	B. B. Caps, Round Balls 2.75 Swaged Conical. 190 NEW LIST ON CATRIDGAS. Rim-fire, 22, short 5 long 5 6 00 32, 19 19 15 50 38, 18 18 18 18 19 41, 15 17 17 50 Central Fire-32, \$11.00; 38, \$13.00; 41, 15.00; 44, \$19.	Brass Wood Fenn Fenn
	41, 15 17 50 Central Fire-32, \$11,60; 38, \$13.00; 41, 15,00; 44, \$19. CARDS. Horse and Curry, new list, July, 1881dis 10 \$ Cotton, new list, July, 1881dis 10 \$ Wool, new list, July, 1881dis 10 \$ CARPET STRETCHERS. Cast Steel, Polished.	Star Frar West Anch Meta Cork J. So
	CASTERS.	J. So E. M. West Butch
	Bod	Moss H. Di Helle Niche New Union Stube
	Humason, Beckley & Co. ** dis 90&10 g Sargent's dis 90&10 g P. S. & W dis 25&10 g CHAIN. dis 25&10 g Trace, Breast and Fancy dis 45&5 g Oneida Halter Chain (old list) dis 45&5 g Galvanized Pump Chain Vib 8 ene Jack Chain, Iron dis 90&10 g Jack Chain, Brass dis 50&10 g	Knoz Knoz Eagle Eagle Crow Crow
	White	Dome Gene
	Cotton Fish Lines	Crow 8, Comb
And in case of the last of the	CHISELE.	Remi Sheb Burn No V dos Mark Mark
	Tanged Firmers, Butcher's	Wire Wire Wail
	Iron, Screw, Eagle	Mail: "Eur "Dia Doub Doub Doub Donb
	Superior. dis 49.85 5	Tinne Fami Fami
	Ale and Beer, new list, July 10, 1880dls 50&10 \$ COPPLE WILLS. Parkers	Barge Bead
	Enterprise Mig. Co	66 66 66 66

HADDWADE	No. Hat BRIGHT WIRE GOODS.	Cast Steel CROW BARS.	Warner & Noble'sdis 5 g
HARDWARE.	BULL RINGS.	Cast Steel	Kip's or Selsor'sdis 30 g Yerkes & Plumbdis 15 g
Baltimore WHOLESALE Prices	Union Nut Codis 55 \$ Sargent'sdis 60&10 \$	%, %, % in., \$1.80, 2.00, 2.40	HANDLES.—Door or Thumb Latches, Nos 0 1 2 3 4
ANVILA.	Huma-on. Beckley & Co.'s dis 60&10 &	Curling Tongs V doz \$3.65, dis 10 \$ Pinching Irons V doz \$7.50, dis 20 \$	Nos 0 1 2 3 4 Per doz \$0.80 1.00 1.18 1.25 1.160
Eagle and Vulcan	Wrought Brassdis 75 \$	CURRY COMBS.	Roggin's Latches V doz 350. (2 40c. net Bronze Iron Drop Latches V doz 40.50(2) 1.10 Jap'd Store Door Handles-Nuts, \$1.25; Plate,
Armitage's Mouse Hole	Cast Brass, Fast Jointdis 2021 5 Cast Brass, Loose Jointdis 102 102	Fitch's new list	\$2.00, no Plate, \$1.10
Wilkinson's10%c	Fast Joint, Narrow	Hotchkiss, Excir. Supr. Champion	TOUGHT CHEST.
Conn. Valley Mig. Co. dis60 \$	Loose Joint	Rubber	Surface Chestdis 55& 0 9 Flush Chestdis 65& 10
Ives Jan. 7, 1880.	Loose Joint, Jap, with Acorns dis 60&10&10 \$	Sweet & Carkedis 50 %	Lifting
Cook's Douglass Mfg 0dis 40&10 \$ Griswold	Parliament Butts	CURTAIN PINS. Silvered Glass	Saw and Plane dia 40&10 g Lippincott (ross-(ut Saw 22c per pair
Patent solid Headdis 25 %	Loose Pin, no Acorndis 60&10&10 \$ Loose Pin, Acornsdis 60&10&10 \$	White Enamelnet	Brad Awl F gross, \$3.00, dis 20.410 s
Russell Jennings' Auger. Dowel. Machine- Dowel and Hand Rail Bitsdis 10&10&10 %	Loose Pin, Acorns, Japanneddis 60&10&10 \$ Loose Pin, Acorns, Jap'd, Plated	Association (Tablenet Naugatuck Cutlery Colist net	Chisel, all kinds
Ives' "Jennings'" Bits	Tips dis 60 & 10 & 10 & 10 &	Raugatuck Cuttery Co	
Expansive Bits, Ives'\$20@30. dis 33 % % Expansive Bits, Blake's\$20. dis 40 %	Wrought Iron. Fast Joint, Narrowdis 50&10&10&5 &	Wilson's Butcher and Shoe Knivesdis 30 %	Patent Auger, Douglase'
Hollow Augers, Ives dis 25 ≰	Fast Joint, Lt. Narrowdis 50&10&10&5 \$ Fast Joint, Broaddis 50&10&10&5 \$	Ames' Shoe Knivesdie 15 % Wm. Rogers Manf. Co., Plated CutieryNet	HAWMOCK CHAIDS
Hollow Augers, Douglass' dis 25 % Hol. Aug., Bonney's Adjust., V doz \$48, dis 25 & 10 %	Loose Joint, Broad	Embossed Giltdis 20 %	White Mountain, per doz
Hol. Aug., Stearns' Adjust., • doz \$48, dis 20&10 % Hol. Aug., Ives' Expansive, each 4.50, dis 30&10 %	Inside Blind, Regulardis 50&10&10&5 \$	Brassdis 25 %	HANDER
Hol. Aug., Universal Expansive, each \$4.50, dis 20 \$	Inside Blind, Lightdis 50&10&10&5 % Loose Pin, Wrtdis 55&10&10&5 %	DOOR SPRINGS. Torrey's Rod, regular size, \$\vec{\psi}\ doz., \$3 dis 40&10 \$\vec{\psi}\	Barn Door, old patternsdis 60&10 ; Barn Door, New Englanddis 60&10 ;
Gimlet Bits	Loose Pin, Lightdis 50&10&10&10&7 % Spring Hinges—	Gem (Coil):	Climax (Anti-Friction)dis 50 Warner 8dis 20
Double Cut Gimlet Bits, Shephardson'sdis 40 %	Geer's Spring and Blank Buttsdis 25 \$	No. 1, Large Japanned V doz \$4.00 No. 2, Medium Japanned V doz 2.75 dis 40 %	Richard'sdis 90 ;
Double Cut Gimlet Bits, Douglass'dis 33½ % Double Cut Gimlet Bits, Ives'dis 50 %	Clarke Hardware Co.'sdis 50&10 \$ American Spring Hinge Co.'sdis 25 \$	No. 3, Small, Japanned V doz 2.00 No. 4, ("Shoo Fly") Screen door size, 1.50	Shingling, Nos. 12 3 V doz \$7.35 \$8.00 \$8.72 Claw, Nos. 12 3 V doz 7.75 8.50 \$8.00 \$8.72 Lathing, Nos. 12 3 V doz 7.80 8.00 8.50 Market Nos. 12 3 V doz 7.80 8.00 8.50 Market Nos. 12 3 V doz 7.80 8.00 8.50 Market Nos. 12 3 V doz 7.80 8.00 8.50 Market Nos. 12 3 V doz 7.80 8.00 8.50 Market Nos. 12 3 V doz 7.80 8.00 8.50 Market Nos. 12 3 V doz 7.80 8.00 8.50 Market Nos. 12 3 V doz 7.80 8.00 8.50 Market Nos. 12 3 V doz 7.80 8.00 8.70 Market Nos. 12 3 V doz 7.80 8.00 8.70 Market Nos. 12 3 V doz 7.80 8.00 8.70 Market Nos. 12 3 V doz 7.80 8.00 8.70 Market Nos. 12 3 V doz 7.80 8.00 8.70 Market Nos. 12 3 V doz 7.80 8.00 8.70 Market Nos. 12 3 V doz 7.80 8.00 8.70 Market Nos. 12 3 V doz 7.80 8.00 8.70 Market Nos. 12 3 V doz 7.80 8.00 8.70 Market Nos. 12 3 V doz 7.80 8.00 8.70 Market Nos. 12 3 V doz 7.80 8.00 8.70 Market Nos. 12 3 V doz 7.80 8.00 8.70 Market Nos. 12 3 V doz 7.80 8.00 8.70 Market Nos. 12 3 V doz 7.80 8.00 8.00 8.70 Market Nos. 12 3 V doz 7.80 8.00 8.00 8.70 Market Nos. 12 3 V doz 7.80 8.00 8.00 8.00 Market Nos. 12 3 V doz 7.80 8.00 8.00 8.00 Market Nos. 12 3 V doz 7.80 8.00 8.00 Market Nos. 12 3 V doz 7.80 8.00 8.00 Market Nos. 12 3 V doz 7.80 8.00 8.00 Market Nos. 12 3 V doz 7.80 8.00 8.00 Market Nos. 12 3 V doz 7.80 8.00 8.00 Market Nos. 12 3 V doz 7.80 8.00 8.00 Market Nos. 12 3 V doz 7.80 8.00 8.00 Market Nos. 12 3 V doz 7.80 8.00 8.00 Market Nos. 12 3 V doz 7.80 8.00 8.00 8.00 Market Nos. 12 3 V doz 8.00 8.00 8.00 Market Nos. 12 3 V doz 8.00 8.00 8.00 Market Nos. 12 3 V doz 8.00 8.00 8.00 8.00 Market Nos. 12 3 V doz 8.00 8.00 8.00 8.00 8.00 8.00 8.00 8.0
Morse's Bit Stock Drill	Gem Spring Hinges	No. 5, Screen door size	Claw, Nos. 1 2 3 V dos 7.75 8.50 9.20 Lathing, Nos. 1 2 3 V dos 3.80 8.00 8.50
AWI. HAPTS	Brind Butts, Shepard's, No. 050 dis. 70&5 \$\ \text{Blind Butts, Shepard's, No. 75 dis 70&10 \$\ \text{F}\$	No. 7, Large	Hammond's, new listdia 45 ; Blood'sdis 35 ;
Sewing Brass Ferrule\$3.50 \$\nabla\$ gross—dis 40&10 \$\nabla\$ Patent Sewing, Short\$10 \$\nabla\$ gross—dis 40&10 \$\nabla\$	Blind Butts, Luil & Porterdis 75 \$	Standard-10 doz \$1.35dis 50&10 \$	Hunt'sdis 20 s
Patent Sewing, Long\$1.20 \(\neq \text{doz. net}\) Patent Peg, Plain Top\(\pi\)10 \(\neq \text{gross-dis 40&10 }\) Patent Peg, Leather Top.\(\pi\)12 \(\neq \text{gross-dis 40&10 }\)	Blind Butts, Hufferdis 50 % Blind Butts, Clark's, Nos. 1, 3, 5dis 70&10 %	9 doz 1 75dis 50&:0 s 8 doz 2.50dis 50&:0 s	Russel's, low list
Patent Peg, Leather Top. \$12 V gross—dis 40&10 %	Standard Lull & Porterdis 75 %	8 doz 3.50dis 50&10 \$\% Herculesdis 5 &10 \$\%	"Lightning"
Awls, Sewing, Common	Humason, Beckley & Co's	Ohio Tool Codis 604k10 \$	
	Bargent & Co.'s\$19.70 and 21.40, dis 66&10 % Hotchkissdis 25 %	Crossman's No. 1	Plate Hinges 8,10&12 in 5%c. * 15
Awls, Shouldered Brad. V gross \$2.70 - dis 25&10 \$	BUTCHER'S CLEAVERS. Humason & Beckley Mfg. Codis 25 \$	Bradley'sdis 35 \$	Plate Hinges 8,10&12 in
Brad Sets, Aiken's V doz. \$12-dis 45 & 10 \$	Bradley'sdis 25 %	Adjustable Handledis 20 g P. S. & Wdis 70&10 g	
Brad Sets. No. 42, \$10.50; No. 43, \$12.50dis 70 \$ Brad Sets. Stanley's Exc.' No. 1, \$9.60.dis 30&10 \$	Beatty's	Douglassdis 70&10 \$ DRILLS AND DRILL STOCKS.	Heavy welded Hook 14 in. & up, \$6 ¥ 100 lb. 30
Awis, Shouldered Feg	\$16.50 19.00 21.50 24.00 27.00 30.00 38.50 36,50 CAN OP. NERS.	Blacksmiths'each, \$2.50, dis 10 g Blacksmiths' Self-Feedingeach, \$7 50, dis 30 g	Heavy Welded Hook S@ls in. \$7.50 \times 100 B; dia d
Collins & Co \$7 95: hoveled \$2.55	New Idea	Breast, P. S. & Wdis 20&10 \$	% in 10c. 20 s
Collins & Co	No. 4, French	Breast, Wilson's	Wrought Strap & T list. Dec. 30, 17, dis 60&1(&10)
Single Bit, 4% to 5% and under V doz. \$7.25 net	Darding Scientification of the action, die action	Breast, Bartholomew'seach, \$2.50, dis 254:10 s Wilson's Drill Stocks	Planters
Single Bit, 4¼ to 6 and over V doz. \$7.75 net Single Bit, beveled	Universal	Wilson's Drill Stocks	Socket V doz. \$5.25, dis 504:10 1
Double Bit. 4% to 5% and under V doz \$12.00 net		Dover V doz. \$2.50, dis 2 \$	Hick's Pat. Solid C. S. Planters' die 60410
Double Bit. 4% to 6 and over? doz. \$13.00 net Double Bit, beveled\$1.00 ? doz. advance Second quality Axes50 cts. less than above	U. M. C., F. L. ground	Medalliongross, \$10,00 Victoriagross, \$10,00	Hick's Pat. Solid C. S. Scovill Pattern, dis 60455 Hubbard, Bakewell & Codis 50410
AXLES.	CAPS, PERCUSSION, V 1,000, U. M. C. F. C. trimmed	Regular numbers * 15 6c	HORSE NAILS.
Sheldon & Co., iron			Horse Name
AXLE GREASE-Frazer's	Musket, in 1-10's	ENAMELED AND TINNED WARE.	Finish'd V M. 31c 28c 25c 25c 24c 28c dis 20410 Clint'n, P'n, " 28c 21c 20c 19c 18c dis 20410 Clint'n, Fin'd " 24c 28c 21c 20c 19c dis 20410
Spring Balancesdis 25 dk 10 ≰	Rim dis 50@10 \$	Sauce Pansdis 40 £	Clint'n, Fin'd 24c 25c 25c 20c 19c.dis 20&10 s Essex, V Bdic 25c 25c 25c 24c 25cdis 20 s
Hand, Light Brassdls 70 %	Central Fire, pistol size its 38 / g	Tiun d Sauce Pans dis 40 % Escutcheon Pins—Brass dis 50 %	Putnam "27c 94c 29c 21c 20c 19cdis 5&10
Hand, White Metaldis 60 \$\frac{1}{2}\$ Hand, Silver Chimedis 20&10 \$\frac{1}{2}\$ Hand, Globe (Cone's Patent)dis 25&10 \$\frac{1}{2}\$	B. B. Caps, Round Balls	Door LockSame discounts as Door Locks	Globe, "280 23c 21c 20c 10c 18c 18c dis 10&5 1 N'thw'n "28c 25c 25c 23c 21c 20c.dis 10&10 1
Gong, Abbe'sdis 21&10 \$	NAME AND AND COMPANYORS	Brass Threaddis 25 g	Ch'mpl'in Forged V B 30c 17c 25c 24c 23c 23c.dis 254 10 a
Gong, Yankeedis 30&10 % Gong, Barton'sdis 30&10 %	Rim-fire, 22, short \$ 5 long \$ 6 00 32, 10 15 50 38, 18 18 0 18 50 41, 15 17 50 Central Fire—32, \$11,90; 38, \$13.50; 41, 15,00;44, \$19.	Wooddis 25 g FAUCRTSdis 40 g	A. C., V B 98 -95 23 23 21 21 .dis 10, 104 5 4
Leon Reading	" 88, " 18 " 18 00 " 41, " 15 " 17 50	Fenn's Cork Stops	C. B
Puit, Brook's			Bridgewater
Bloomfield	Horse and Curry, new list, July, 1881	West's Patent Keydis 45 g Anchor Lockdis 45 g Metallic Key, Leather Lineddis 60 g	Capewell Sic 36c 25c 24c 25c.dis 20&10 1
Calldis 25 ≰	Wool, new list. July, 1881	Metallic Key, Leather Lineddis 60 g Cork Lineddis 70 g	R. I. Horse Shoe Co , Persins' Im-
Cow, Common Wrought dis 55&10 % Cow, Western, Sargent's List dis 55&10 %	Cast Steel, Polished	J. Sommer's Best Metallic Keydis 40 s J. Sommer's Cork Lined, 1st qualitydis 50 s	proved Light Medium and Heavy W key 49 924
Cow, Kentucky, Sargent's List dis 55&10 % Cow, Moore's or Dodges, Genuine Ky., new list:	Bullard's dis 25 \$	E. M. Boynton'snew,list, dis 25 g	Mule Shoes
Nos. 0 1 1½ 2 8 5 5 6 Hog t dis.60&	Beddis 47% &10 g	Western File Codis 45 «	Horse
Cow, Texas "Star"dis 40 %	Bed	Butcher's	MU10
Blacksmiths' Commondis 50 \$	Martin's Patent (Phonix)dis 25 %	H. Disston & Sons (new list)die 40 g Heller Bros.' Horse Raspedis 30&10 g	Excelsior
Molders' dis 25 ≰ Hand Bellowsdis 25 ≰	Humason, Beckley & Co.'sdis 60&10 ≤	Nicholsondis 40&10 g New Americandis 40 g	Akron
Francisdis 20 \$	Sargent'sdis 60&10 \$\frac{1}{8}\$ P. S. & W	Union File Co	Peerless-S quart, \$4.50; 4 quart, \$5.50; 6 quart,
Mackrell's v doz pairs \$1.00, dis 10 g Van Sand's Screw Pattern\$9 v gross, net Van Sand's Old Pattern14, \$8; 14, 8.50 v gro, net	German Halter and coil Chaindis 50&10 \$	Know 4K-inch Rolls \$3.50 each t	87; 8 quart, \$9; 10 quart, \$13. The Gooch Patent "Giant"—14 quart, \$30; 18 quart, \$35; 31 quart,
Van Sand's Old Pattern. 1%, \$8; 1%, 8.50 \(\mathbf{V} \) gro, net Merriman'snew list, net	Trace, Breast and Fancydis 45&5 % Oneida Halter Chain (old list)dis 45&5 %	Knox, 4%-inch Rolls\$3.50 each dis 25 g Knox, 6-inch Rolls\$4.00 each dis 25 g Eagle, 3%-inch Roll\$2.15, dis 25 g	: WHE TO CHAPL WHO: OH CHAPL WHE 48 CHAPL #45
Zimmerman's, 10 % in V gross \$26 00	Galvanized Pump Chain V lb 8c net Jack Chain, Irondis 60&10 \$	Ragle, 5%-inch Roll.	Discount 50%. KNOBS. Carriage (Jap'd 80c v gross)dis 60&10
Zimmerman's, 9 in	Jack Chain, Brassdis 50&10 \$	Crown 4 %-in., \$3.50; 6, \$4.00; 8, \$6.50 eachdis35 g Crown Jewel6-in., \$3.40 eachdis 35 g	Base—Common
BLIND STAPLES. Barbed, ⅓ in. and larger	White♥ gross 60c net	American, 5-in., \$3; 6-in., \$3.40; 7-in., \$4.50	Door Mineral
BLOCKS.	Red V gross \$5c net Blue gross \$1.00 net	Domestic Fluter\$1.50 each, net Geneva Hand Fluter, White Metal, 🔻 doz	Door Por. Plated Same discounts as Door Locks
Penfield Block Co., Rope and Iron Strap'ddis 35 \$	White Crayons gross 9c net	#12	Purniture Plain
Cast Iron Barrel Shutter, &cdis 55&10 €	Cotton Fish Linesdis 33% \$ Cotton Chalk Lines, 20 feet:	Crown Hand Fluter, Nos. 1, \$15; 2, \$12.50; 8, \$10.10 ¥ doz die 25 g	Picturedis 30 g
Cast Iron Chain (Sargent's list)dis 60&10 \$ Wrought Barreldis 55&10 \$	Nos. 11. 13. 15, 17. 20, 4. 23. 20, 3.60, 4.00, 4.50, 5.25.	Combined Fluter and Sad Iron, V doz \$15.00, dis 30 %	Hemacite, Picturedis 35 g Shutter, Porcelaindis 50410
Wrought Squaredis 55&10 % Wrt. Shutter, all Iron, Stanley's listdis 50&10 ≸	CHISKLS.	Remingtondis 50&10 g	Melting & Skim'ng, Monroe's Pat. V dox \$4 dis 40 g
Wrt. Shutter. Brass Knob, Stanley's list dis 50&10 ≰ Wrought Shutter, Sargent's listdis 55&10 ≰	Socket Framing, Crossman dis 65&5 \$ Socket Framing, P. S. & W	Shebie & Fisherdis 50@10 s	Melting, C & C
Wrought Sunk Flush, Sargent's dis 65410410 &	Socket Framing, P. S. & Wdis 70&10 \$ Socket Framing, Douglass'dis 70&10 \$ Socket Firmers, Crossmandis 65&5 \$	Burnished list as followsdis 60&10&10 &	Buckeye, Easy and Excelsior, new listdis 30
Wrought Sunk Flush, Stanley'sdis 40&10 \$ Wrought B. K. Flush, Stanley'sdis 50&10 \$ Ca riage and Tire, Common, new listdis 75 \$	Socket Firmers, Ohio Tool Co dis 60&10 \$ Socket Firmers, Douglass'dis 70&10 \$	No0 1 2 3 4 5 6 7 8 V doz\$3.00 3.75 4.25 4.70 5.25 6.00 7.00 8.00 9.00	LINES—Lineu Fish dis 254.10 g Wire Clothes, Galvanized, 100 feet V doz. \$2.00
Carriage and Tire, Philadelphia Pattern. dis 50 x	Socket Corner dis 70&10 \$	Marking, Stanley'sdis 50&10 \$	A COURSE A STATE OF A STATE OF THE STATE OF
Carriage Bolts, Clarke'sdis 80 s Carriage Bolts, Lancaster Bolt Co.	Tanged Firmers	Marking, Chapin'sdis 55&10 g Wiredis 10&10 g	Cabinet, Gaylord of some numbers Jan. 1.
Excelsior, Low List	CLAMPS.	Wire, Disston'sdis 20 \$ Wire, Wheeler, Madden & Codis 10 \$	Cabinet, Bridgeport. 1881, dis 26 2 2 Cabinet, P. & F. Corbindis 40 4
R. B. & W. Carriage (old list)dis 65 \$ Tire, American Screw Co.'s, Philadis 75 \$	Iron, Screw, Eagle	Nail and Spikedis 40 \$	Cabinet, Eagle
Tire, "Bay State"dis 65%, new list Eagle Philadelphia Tire Bolt80%	Iron, Cabinet, Sargent'sdis 65&10 \$ Iron, Carriage makers', Carr & Crawleydis 25 \$	" Enreka" Gimletsdis 50 «	Platedis 33% &2 %
Stove	CLIPS, AXLE. Norway or Bestdis 60 & \$	"Diamond" Gimlets dis 50 s Double Cut. Shepardson's dis 50 s	Branford
Machinedis 70 \$	Superiordis 4545 \$ Conestogodis 60&10	Double Cut, Hartwell'sdis 50 g Double Cut, Iven'	Norwich List prices as revised
Bolt Ends and Lag Screwsdis 70 \$	Coal Hods-Griffiths'dis 40 g	Double Cut, Douglass'dis 33% \$ "Reel"	P. & F. Corbin Dec. 6th, 60 &2 g Russell & Erwin for cash.
BORING MACHINES. Upright. Angular.	Racking, new list, July 10, 1880dis 50&10 g	GLUB POTS.	Mallory, Wheeler & Co Padlocks—Russell & Erwin
First quality, no Augers \$5.50 \$6.75.dis 40 \$ Phillips, with Augers 7.00 7.50net	Plain Bibbs, new list, July 10, 1880dis 50&10 \$	Family, L. F. & C.'s "Handy"dis 30 \$	Mallory, Wheeler & Co dis 45 g
Q. S. Backusdis 50 \$	Ale and Beer, new list, July 10, 1880dis 50&10 \$	BRINDSTONE FIXTURES. Sargents Patent	Wm. Wilcox & Co., Plate Locks dia 2014
Barber'sdis 40&5 ≰ Spoffard's Patentdis 50&5 ≰	Parkers'dis 45 \$ Wilson'sdis 50 \$	Reading Hardware Codis 25&10 \$	Yale Lock Manf. Co.'s "Standard"
Ives' Patent Bracesdis 50 \$	Logan & Strobridgedis 45 c	Riey's B. E. wads, 11 upwards\$1.75	Conestogadis 76 5 Scandinavian, "Norwich"dis 50&10 \$
Common Bali (American)dis 55 \$ Amidon'sdis 50 \$	Enterprise Mfg. Codis 25 g	9 and 10 2.00	MALLETT.
BORING MACHINES—WITHOUT AUGERS. Sweet & Clark upright, 3,60 angular4.40 net	Compasses	" P. E. " 11 upwards 2.90	Penfield Block Co., Apple, Hickory and Lignumvitædis 30 g
Hubbard ** 3.00 ** 3.50 net	Dividersdis 55 g	и и 7 8 4.45	MEAT CUTTERS.
Shelf, plaindis 50&10 g	Bradley's	Maydole's	Perry's, Nos. 1 2 3 4 4 gr'd 5 gr'd Rach\$3 4 5 11 15 56 dis 35 g
Shelf, fancydis 55&10 g	Barton'sdie 20g	1.75 dis 25410 g	Rach\$3 4 5 11 15 , 56 dls 86 g
	1		

Kip's or Selsor's
Noz 0 1 2 3 4 Per doz 0.80 1.00 1.18 1.15 1.150dis 55&10 g
Bronze Iron Drop Latches V doz 40.90@1.10 Jap'd Store Door Handles-Nuts, \$1.35; Plate,
#2.00, no Plate, #1.10
Surface Chest
Saw and Plane
Hammer and Hatchet
Auger, assorted, gross
Patent Auger, Ives
Yerkes & Plumb
Barn Door, old patternsdia 60&10 s
Finished in red, per doz. #42.00 Barn Door, old patterns
Shingling, Nos. 1 2 3 \(\psi \) doz \(\frac{2}{3} \) \(\text{S} \) & 88.00 \(\frac{8}{3} \) \(\text{Claw}, \) Nos. 1 2 3 \(\psi \) doz \(\frac{2}{3} \) \(\text{T} \) & 8.00 \(\frac{8}{3} \) \(\text{Lighting}, \) Nos. 1 2 3 \(\psi \) doz \(\frac{2}{3} \) \(\text{T} \) 8.00 \(\frac{8}{3} \) \(\text{Lighting}, \) Nos. 1 2 3 \(\psi \) doz \(\frac{2}{3} \) \(\text{T} \) 8.00 \(\frac{8}{3} \) 8.1 \(\text{Lighting} \) \(\text{V} \) \(\text{Lighting} \) \(\text{V} \) \(\text{Lighting} \) \(\text{Lighting} \) \(\text{V} \) \(\text{Lighting}
Hammond's, new list
Russel's, low list
"Lightning"
Wadsworth's
Screw Hook 18, 10, 12 in
Heavy Welded Hook 8@12 in. \$7.50 ¥ 100 25. { dis 14 in. & up. \$6 ¥ 100 15. { dis (5. & 1 in
Screw Hook and Eye { \$\frac{\hat{\text{i}} \text{in}}{\text{in}} \cdots \frac{\text{0}c}{\text{in}} \cdots \frac{\text{dis}}{20 \text{ \$\frac{\text{g}}{\text{in}}} \cdots \frac{\text{0}c}{\text{in}} \cdots \frac{\text{dis}}{20 \text{ \$\frac{\text{g}}{\text{in}}} \cdots \frac{\text{0}c}{\text{in}} \cdots \frac{\text{dis}}{20 \text{ \$\text{g}}}
Wrought Strap & T list. Dec. 20, '17, dis 60&1(&10 s
Planters
Grub
Hubbard, Bakewell & Codis 50&10 1
Hubbard, Bakewell & Co
Clint'n, P'n, " We wie we 19c 19c 18c dis 90&10 g Ensex. V m Ne we wie 21c 20c 19c die 90&10 g Ensex. V m Ne we wie 25c 24c 20c. dis 20
Putnam " 27c 24c 29c 21c 30c 19c .dis 5&10 g Stranac " 39c 23c 21c 20c 19c 18c dis 20 g
N'thw'n28c 25c 23c 22c 21c 20c.dis 10&10 1 Ch'mpl'in
A. C., V B 30c 17c 25c 24c 23c 23c dis 25a10 s A. C., V B 38 -45 23 23 21 21 dis 10, 10 a 5 3 C. B. \$ 98c 25c 25c 25c 21c 21c dis 10 a 5 5
Bridgewater34c 31c 19c 18c 17c 16c.dis 254 5
Capewell
Mule Shoes
Mule V keg \$3.87% Mule V keg \$4.87% Keystone Solid Calk Steel Horse 28.87% 5
HORSE PORES.
Ox Shors Mt. Carmei Ox Shoes 10 etc. W lb.
P. CE CREAM FREEZERS. P. CE CREAM FREEZERS. \$7. Squart, \$1.50; 4 quart, \$2.50; 6 quart, \$7. Squart, \$9.; 10 quart, \$1. The Gooch Patent "Giant"—14 quart, \$20; 18 quart, \$25; 31 quart, \$30; 25 quart, \$35; 32 quart, \$45. Discount 50; KROSS. Carriago (Jap d SGC V gross)
"Giant"—14 quart, \$30; 18 quart, \$35; 31 quart, \$35; 35 quart, \$45, 2 Discount 50g. KNOBS.
Carriage (Jap'd S0c V gross)dis 60&10 Base—Common
Door Mineral Door Por. Jap'd Same discounts as Door Locks Door Por. Plated Door Por Furniture Plain
Door Por
Hemacite Picture
Molting & Skim'ng Monroe's Pat Wdog 24 die 40 g
Melting, C & C
Melting, C & C
Cabinet, Gaylord of some numbers Jan. 1, Cabinet, Bridgeport. 1981, dis 26&2 g
Cabinet, P. & F. Corbin
Cabinet, Eagle
NorwichList prices as revised
Russell & Erwin for cash.
Mallory, Wheeler & Co dis 45 g Norwich Lock Manf. Co and 3g for each
Wm. Wilcox & Codis 20 k Wm. Wilcox & Co.'s Plate Locksdis 20 k Yale Lock Manf. Co.'s "Standard" dis 40 k
Romer's
DOOB LOCKS, BYO. Norwalk
Penneid Block Co., Apple, Hickory and Lignumvitæ
T THE BIT OF BUT WITH ME

Woodruff's (P. S. & W.)Nos. 100 150	15
Woodruff's (P. S. & W.)Nos. 100 150 ### doz. \$15 18-dis' ### doz. \$27 35 45-dis 50&10& Kleser's No. 55	2 10 10 10 10 15
MOLASSES GATES Mis 70&1	0 0 0 0 0 0 0 5
\$7 8 9 10\footnote{\varphi} dis 60&10&10\text{\$61.}\footnote{\varphi} dis 50&10&10\text{\$61.}\footnote{\varphi} dis 50&10\text{\$62.}\footnote{\varphi} dis 50\text{\$62.}\footnote{\varphi} dis 50\text{\$62.}\footnote{\varphi} dis 50\text{\$63.}\footnote{\varphi} dis 50\text{\$63.}\fo	0 1
Square Nuts. 8 coff li Hexagon Nuts. 8½coff li Washers. 7½coff li	8 8
Malleable (Hammer's) V doz \$5, dis 10	9
PLAITING MACHINES. Astor Plaiting Machines	9 9
Astor Plaiting Machine Astor Plaiting Machines Astor Plaiting Machines Astor Plaiting Machines Astor Plaiting Machines Astor Plaiting Astor Plaitin	XXX
January 1870 dls 20&10 Bailey's dls 20&10 Plane Irons, Butcher's \$5.50 to Plane Iron, Auburn Tool Co dls 20 Plane Iron, Ohio Tool Co dls 20 Plane Iron, Sandusky Tool Co cls 20	XXXXXX
Button's Patentdis 33½ Hall's Pat. Compound Lever Cutting Nippers, No. 2, 5 in. \$13.50; No. 4, 7 in., \$21 \$\psi doz. dis 25 Gas Pliers	xxx
Disston's dis 40 Stanley R. & L. Co.'s Pat Adjustable. dis 55&10 Stanley R. & L. Co.'s Non-Adjustable. dis 55&10 Chapin's Patent Adjustable. dis 65&10 Chapin's Non-Adjustable. dis 65&10 Standard Rule Co.'s New Adjustable. dis 65&10 Standard Rule Co.'s Non-Adjustable. dis 65&10 Standard Rule Co.'s Non-Adjustable. dis 65&10 Standard Rule Co.'s Non-Adjustable. dis 65&10	AMMMMMAN
Sliding Door, Wrought Brass B. 43c. dis 30	XXX X
B. D. for N. E. Hangers— Small Med. Large. Per 100 feet	t
In bulk, new list, Dec. 10, 1881	X X
Stair, Brass	2 2
Standard	
Self-Heating, Charcoal	t
Baeder & Adamson's Flint, 00@1, \$4.50 v r'm. Baeder & Adamson's Flint, 2, 2, 2, 3, 5,00 v r'm. Beader & Adamson's Flint, 3, 2, 2, 3, 5,00 v r'm. Beader & Adamson's Flint, Assort'd 4.75 v r'm. Beader & Adamson's Star	
Common	
Solid Eyes, in 500-B. lots and over. V B. 1½ c. net SAUSAGE STUPPERS OR FILLERS. Miles	
Boynton's Lightning Cross Cuts, new list dis 40 g Boynton's Circular and Mill dis 40 g Boynton's Ice dis 25 g Boynton's Lightning Hand, Panel and Rip, dis 25 g Boynton's Lightning Hand, Panel and Rip, dis 25 g Boyston's Mill dis 40 g Disston's Mill dis 40 g Disston's Mill dis 40 g Disston's Hand, Panel, Rip, &c dis 40 g Buston's Hand, Panel, Rip, &c dis 40 g Buston's Hand, Panel, Rip, &c dis 40 g Hubbard, Bakewell & Co. Cross Cut. dis 40 g Hubbard, Bakewell & Co. Cross Cut. dis 40 g Hubbard, Bakewell & Co. Cross Cut. dis 40 g	
Hubbard, Bakewell & Co., Mill Saws. dis 40&5 x Peace Circular and Mill dis 40 x Peace Hand, Panel and Rip dis 25 x Peace Band, Panel and Rip dis 25 x Peace Band Saws, all widths dis 25 x Peace Band Saws, all shift mandles dis 25 x 10 x 1	
Hubbard, Bakewell & Co., Oile-Baile, & Cot.	
#0.4LES. Hatch, Counter, No. 171., ♥ dos. \$42, dis 37 % &10 ≤ Hatch, Tea, No. 161 ♥ dos. \$15.00, dis 37 % &10 ≤ Walen Platform, Keystone	

	BALTIMORE MANU]
N NNNNN	Forsyth Scale Co. dis 46	0 600
XXXXXXX	Schaffers Adjust. Box Scraper(S. R. &L. Co.)\$5.50, dis 20&10 Box. 1 Handle Y doz. \$4, dis 10 Box. 2 Handle Y doz. \$4, dis 10 Box. 2 Handle Y doz. \$6, dis 10 Ship, common Y doz. \$3, no Wilson Mfg Co CSCREW DRIVERS dis 20.50.50	9
z z z z t t t	Disston's	2 2 2 2
WHAT THE PARTY OF	Ratchet	NX XXXX
	Window Corner Irons, No. 3, 4018, 418 40&109 Window Corner Irons, No. 3, 402, 818, 81 Door No. 6, 18 Book 10 3 Door Latches, \$\psi\$ dozen, \$3.60; dis 50 3 Porter's Patent Window and Door Screen Frames PER DOZ. SETS.	11 00 00 MA EN EN
	In	
1	Arctic and Polardis 30 % Loose and neck and body strapdis 50 %	
1871	Bonney's * doz. \$10, dbs 40&5 \$ Stearns' * doz. \$9, dis 20&10 \$ (vee' No. 1. \$16; No. 2, \$12 * doz., dis 55&10 \$ Douglass' * doz. \$9, dis 15 \$ SLLVER-PLATED WARE.	
-	Wm. Roger Manf. Co	
	SILVER PLATED HOLLOW WARE. Wm. Rogers Manf. Co	
77	3ritannia	
ESVVA	Hindostan No. 1, 5c. Ave. 8c. net	
SINT	SQUARES. itcel	

Solid Box-Wilson's

Trenton... Iron City Tool Works.

,	wing.
	Brass and Copper, list of Jan. 17, 1884
	Bright and Annealed Nos 19696 dis 50 &10
	Bright and AnnealedNos. 27@36, dis 70
	CopperedNos. 0@18, dis 50
	Tinned, Nos. 0 to 18 dis 60 s
	Tinned Broom Wire, Nos. 18 to 25dis 60
	Annealed Grane Nos 10 to 14
	Fence Staples. Galvanized b 16 7@7 16
	Japanned Barb Fence * 16 6
	Buck Thorn Galvanized 7
ı	Picture Wire
1	Clothes Line Wire, Galvanized\$3.00 V doz
Į	WRENCHES.
I	American Adjustable
I	Baxter's Adjustable "S," list Jan., 1880dis 20&5
I	Coes Genuine
ı	Coes' "Mechanics"dis 50&10&10 \$
ı	Coes' Pattern, Wrought dis 60000
I	Girard Standarddis 50&10 1
ı	Girard Standard dis 50&10 \$ (4) Girard Agl dis 60&10 \$
I	Atways Ready \$9.00-20 \$
ı	WRINGERS
l	Universal, XX, No. 2 42 00
ı	Universal, XX, No. 14
ĺ	Universal, XX, No. 8each 10.75
l	Universal, XX. No. 12each 20.25
l	Universal, XX, No 18each 22 75
l	Peerless, no Cogs, No. 1
ĺ	Peerless, with Cogs, No. 21/4 45.00
l	THERMOMETERS. 48,00
l	Tin Case die 7 &10 \$
ı	
l	TACRS. BRADS. 4C. Tinned Swedes Tacks
l	Tinned Swedes Tacksdis 30 %
ı	Swedes Tacks all kinds dis 20 %
ľ	American Cut Tacksdis 30 x 3
	Copper Tacks and Nailsdis 30 %
	Gimp and Lace Tacksdis 30 \$ =
	Gimp and Lace Tacks, Tinned dis 30 % [
	Finishing Nailsdis 25 \$ 6
9	Common and Patent Bradedis 20 \$ 2
	Basket Nailsdis 20 % g
	Leathered Carnet Tacks dis 90 g
1	Cigar Box Nailsdis 20 %
1	Chair Nailsdis 20 %
ľ	TAP BORERS.
-	Common and Ringdis 20 ≰
-	Common and Ringdis 20 ≰ Ives' Tap Borersdis 15&10 ≰ Enterprise Mfg. Codis 25 ≰
]	Enterprise Mfg. Co. (Champion)dis 25 \$ Wood Bottom
1	Wood Bottom V doz \$12.00, dis 40&5 ≸
1	Wilson'sdis 35 \$
	TOE CALKS.
1	Winsted W is Sc. dis 5 4
	TRAPS.
-	Jame, Newhousedis 35 \$ Jame. Oneida Patterndis 60&10 \$
-	Jame. Blake's Patentdis 40&10 \$
1	Mouse Round Wire Pdoz \$1 50 dis 10 c
ĵ	douse Cage, Wire Y doz \$2.50, dis 10 \$
1	douse, Catch-em-alive V doz \$2.50, dis 10 \$
1	Same. Onelda Pattern. dis 60&10 \$\frac{2}{3}\$ ame. Blake's Patent dis 40&10 \$\frac{2}{3}\$ douse, Wood. Choker. \$\frac{7}{3}\$ doz holes, 16c douse, Round Wire. \$\frac{7}{3}\$ doz \$\frac{1}{3}\$ do \$\frac{1}{3}\$ do \$\frac{1}{3}\$ douse Cage. Wire. \$\frac{7}{3}\$ doz \$\frac{2}{3}\$ 2.50, dis 10 \$\frac{7}{3}\$ douse Cage. Wire. \$\frac{7}{3}\$ doz \$\frac{2}{3}\$ 2.50, dis 10 \$\frac{7}{3}\$ douse. \$\frac{7}{3}\$ doz \$\frac{7}{3}\$ 2.50, dis 10 \$\frac{7}{3}\$ douse. \$\frac{7}{3}\$ doz \$\frac{7}{3}\$ 2.61. \$\frac{7}{3}\$ doz \$\frac{7}{3}\$ 1.00
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	Disston's Brick and Plasteringdis 20 x
	Clement & Maynard'sdis 20%
ı	WOFFRII 5 Drickdig 90 #
	Brades & Waiby 8dia 90 /
	Garden
	TBUCKS (WAREHOUSE, &C).
	Handy Truck \$2 50 net
	Book of the Blook the Man access
	Penfield Block Co. iist, 1882dis 35
	Peerless, with Cogs, No. 8 54.00
	Peerless, with Cogs, No. 4
	Eureka. No. 2
	MISCELLANEOUS.
	"Diamond" Vegetable Grater \$5.00 V doz., 104
	Rotary Knife Potato Parer \$18.00 V doz., net
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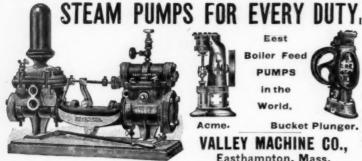
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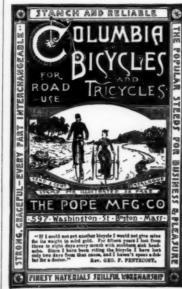
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28 in. x 88 ft.

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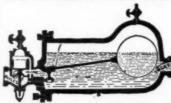
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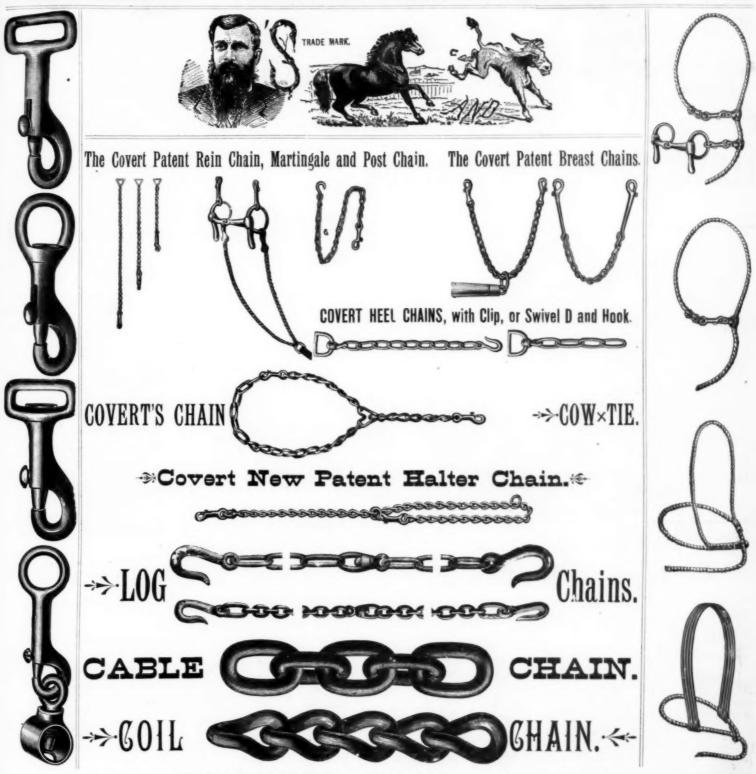
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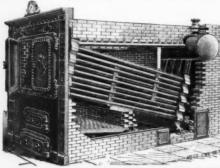
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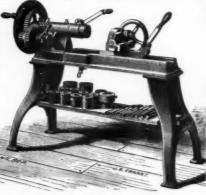
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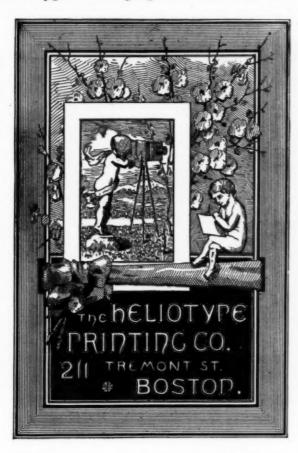
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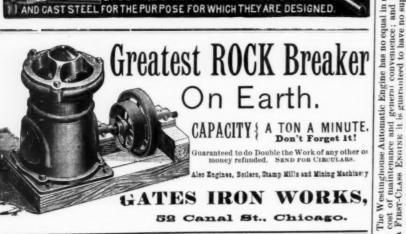
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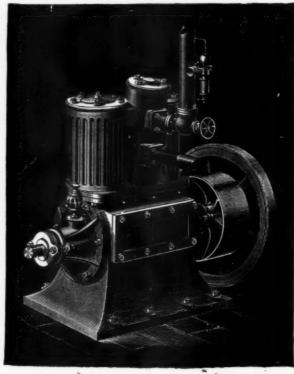
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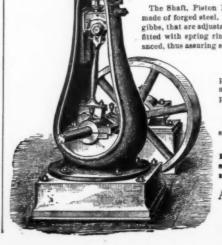
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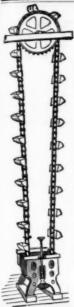
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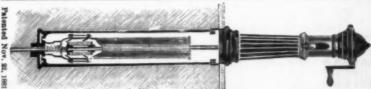
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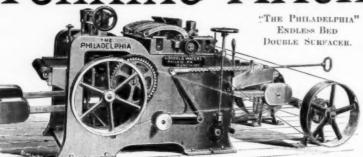
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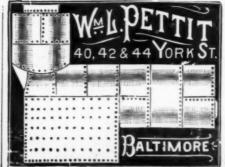
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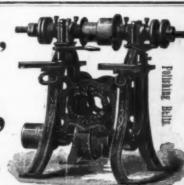
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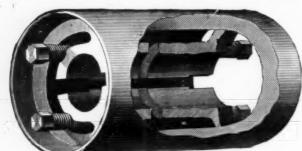
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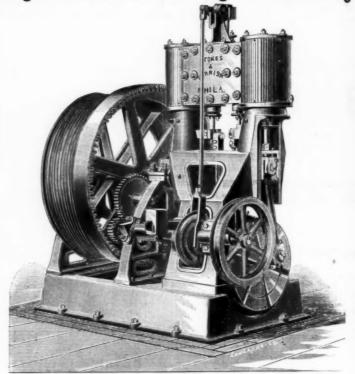
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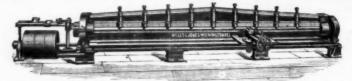
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